

COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY

An International Journal

EDITOR: G. A. KERKUT (Southampton)

VOLUMES 68-70 A, B and C, 1981

Author and Subject Indexes



PERGAMON PRESS

OXFORD · NEW YORK · TORONTO · SYDNEY
PARIS · FRANKFURT

Comparative Biochemistry and Physiology

Editor

Professor G. A. KERKUT, Department of Physiology and Biochemistry, University of Southampton, Southampton SO9 3TU, England (Executive Editor).

Members of the Honorary Editorial Advisory Board

T. H. BULLOCK (La Jolla)	H. S. MASON (Portland)
C. B. COWEY (Aberdeen)	C. L. PROSSER (Urbana)
R. FÄNGE (Göteborg)	J. ROCHE (Paris)
E. FLOREY (Konstanz)	B. T. SCHEER (Santa Barbara)
W. S. HOAR (Vancouver)	C. A. VILLEE (Massachusetts)
H. KINOSITA (Saitama)	G. WALD (Harvard)
E. KREPS (Leningrad)	J. H. WELSH (Maine)
O. LOWENSTEIN (Birmingham)	
C. MANWELL (Adelaide)	

Publishing Office: *Journals Production Unit, Hennock Road, Marsh Barton, Exeter EX2 8RP, England (Tel. Exeter (0392) 51558; Telex 42749)*

Subscription enquiries and Advertising Offices

North America: Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, U.S.A.
Rest of the World: Pergamon Press Ltd, Headington Hill Hall, Oxford OX3 0BW, England (Tel. Oxford 64881).

Annual Subscription Rates 1982 (including postage and insurance)

For libraries, research establishments and all other multiple-reader institutions: combined subscriptions; 1-yr \$1100.00; 2-yr \$2090.00. Part A, Comparative Physiology \$500.00; Part B, Comparative Biochemistry \$500.00; Part C, Comparative Pharmacology \$280.00. (2-yr subscription rates: Part A \$950.00, Part B \$950.00, Part C \$532.00.)

Specially Reduced Rates to Individuals

In the interests of maximizing the dissemination of the research results published in this important international journal we have established a two-tier price structure. Any individual whose institution takes out a library subscription may purchase a second or additional subscription for personal use at the much reduced rate of \$80.00 per annum (combined subscription). Part A, Comparative Physiology \$55; Part B, Comparative Biochemistry \$55; Part C, Comparative Pharmacology \$45. Parts A and B: Three volumes of each part per year, four issues per volume (Part A—1st of the month; Part B—15th of the month). Part C: Three volumes per year, two issues per volume (commencing Vol. 50, No. 1, 1975).

Microform Subscriptions and Back Issues

Back issues of all previously published volumes are available in the regular editions and on microfilm and microfiche. Current subscriptions are available on microfiche simultaneously with the paper edition and on microfilm on completion of the annual index at the end of the subscription year.

Copyright © 1982 Pergamon Press Ltd

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher, if and when the article is accepted for publication. However, assignment of copyright is not required from authors who work for organizations which do not permit such assignment. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

U.S. Copyright Law applicable to users in the U.S.A.

The Article Fee Code on the first page of an article in this journal indicates the copyright owner's consent that in the U.S.A., copies may be made for personal or internal use, provided the stated fee for copying beyond that permitted by Section 107 or 108 of the United States Copyright Law is paid. The appropriate remittance should be forwarded with a copy of the first page of the article to the Copyright Clearance Center Inc., 21 Congress Street, Salem, MA 01970. If a code does not appear, copies of the article may be made without charge, provided permission is obtained from the publisher. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works or for resale. Specific written permission must be obtained from the publisher for such copying. In case of doubt please contact your nearest Pergamon office.

PERGAMON PRESS

HEADINGTON HILL HALL, OXFORD OX3 0BW, ENGLAND
MAXWELL HOUSE, FAIRVIEW PARK, ELMSFORD, NY 10523, U.S.A.

AUTHOR INDEX

Volumes 68-70 A, B and C inclusive, 1981

Abe, A. S. 68A, 159
Abiko, Y. 70C, 35
Ackerman, R. 70A, 359
Ackman, R. G. 69B, 725
Adams, M. 70B, 85
Adjovi, Y. 69A, 31, 529, 717
Agarwal, R. P. 70B, 595
Agnisola, C. 70B, 521, 623
Agosin, M. 68B, 237
Aguado, J. A. F. 69B, 819
Ahn, P. C. 69A, 161
Aiello, E. 69C, 25
Aikawa, T. 70B, 199
Aikawa, Y. 70B, 199
Aissi, E. 70B, 133
Ajimal, G. S. 68C, 133
Akaike, N. 69A, 249
Aksnes, A. 69B, 893
Alam, M. 69B, 535
Al-Ayash, A. I. 68B, 445
Albrecht, H. 70B, 393
Alcoloado, P. 68B, 481
Alderman, J. A. 70B, 209
Alemany, M. 70A, 611
Alhadeff, J. A. 68B, 509
Alizai, N. 68B, 445
Alkon, D. L. 68A, 487
Allen, R. S. 68B, 259
Alohan, F. I. 68A, 625
Aloia, R. C. 68B, 203, 209
Alonso, A. 70A, 619
Alonso-Bedate, M. 70B, 331
Ambrosini, M. V. 70C, 209
Amir, D. 69C, 121
Anctil, M. 68C, 187
Anders, F. 69B, 91
Anderson, A. A. 70C, 195
Anderson, L. C. 70A, 567;
70B, 725
Andersson, K. 69C, 83
Andersson, T. 68C, 239
Andrade, C. M. 69B, 859
Andreoli, M. 70B, 341
Andreu, G. C. 70B, 421
Andrews, P. L. R. 70C, 241
Andrews, R. V. 69A, 267;
70A, 23
Antonyuk, Z. 70A, 107
Aomine, M. 68A, 131, 531
Arechiga, H. 69A, 631
Arillo, A. 68A, 307
Armitage, K. B. 69A, 621, 627
Armitage, M. E. 68B, 183
Arrondo, J. L. R. 70A, 615
Art, G. R. 69A, 23
Asai, H. 70A, 479
Aschoff, J. 69A, 611
Austin, M. 68A, 515
Austin, P. R. 69B, 283; 70B,
173
Autunes, A. 70B, 327
Avaeva, S. M. 69B, 905
Avery, P. 69A, 449
Avissar, I. 70B, 815
Avrova, N. F. 68B, 135
Axelsen, N. H. 68B, 9
Baars, A. J. 70C, 285
Bagnara, J. T. 70B, 779,
783, 787
Bailey, B. A. 70B, 795
Bailey, J. P. 69B, 909
Baimbridge, K. G. 68A, 647
Baker, J. E. 69B, 189
Balasch, J. 68C, 161
Balbontin, F. 68A, 123
Balcer, J. P. 70B, 601
Baldo, B. A. 69C, 325
Baldwin, G. F. 68A, 181;
70A, 65
Balegno, H. F. 70B, 559
Ballantyne, J. 69B, 1
Ballas, S. K. 68B, 421
Banchero, N. 70A, 321
Bar, A. 68B, 401
Barcelos, S. R. 70A, 83
Barnett, A. 70B, 185
Barra, D. 69B, 737, 747,
753
Barrett, J. 70B, 141
Barrowclough, G. F. 69B,
629
Barry, C. R. 69A, 649
Bartkowiak, A. 68B, 357;
70B, 819
Bartkowiak, J. 70B, 819
Bartosz, G. 68A, 273
Bartrons, R. 70B, 247,
477
Baudinette, R. V. 68A,
405; 68B, 491
Baum, M. J. 70A, 115
Baust, J. G. 70A, 579
Bayne, B. L. 69C, 399
Beamish, F. W. H. 68C,
167
Beaubatie, L. 68B, 125
Beaumont, A-L. 70A, 431
Beaver, R. W. 69A, 665
Becker, P. L. 68C, 175
Beckers-Bleukx, G. 70A,

341

Beenakkers, A. M. Th. 69B, 315; 70B, 387

Behrisch, H. W. 70B, 263

Beitinger, T. L. 68A, 507; 70A, 141

Bell, F. P. 68C, 9

Bell, K. 68B, 225

Bengtsson, G. B. 69B, 201

Ben-Horin, A. 68A, 277

Benjamin, P. R. 70A, 293

Bennett, J. L. 69B, 803

Bentley, P. J. 68A, 181; 70A, 65

Beraldo, M. J. A. H. 68A, 241

Berglind, R. 69C, 83

Bergman, J. L. 70A, 599

Berman, A. 70A, 223

Bernicard, A. 68B, 65

Berruti, G. 69B, 323

Berry-Lortsch, E. 69B, 243

Bertin, R. 70B, 193

Bertout, M. 70B, 493

Bertoy, R. W. 68A, 237; 70A, 179

Best, R. C. 69A, 177

Betti, F. 69A, 739

Bidigare, R. R. 70B, 409

Bieniarz, K. 70C, 135

Bintz, G. L. 69A, 551

Bird, J. E. 68A, 237

Birk, Y. 69B, 639, 647

Bittner, G. D. 68A, 299

Black, R. E. 70B, 649

Blackmore, D. W. 69A, 279

Bladier, D. 69A, 59

Bledsoe, S. C. Jr. 69C, 145

Blem, C. R. 69A, 259

Blum, M. S. 69B, 903

Blum, V. 70A, 53

Board, P. G. 69B, 889

Bobadilla, I. G. 70A, 611

Bobbin, R. P. 69C, 145

Boge, G. 69A, 455

Bohlin, L. 68B, 281

Bohorov, O. 69A, 305; 70A, 643

Bonde, A. A. 69B, 775

Boniforti, L. 70B, 153

Borch, G. 69B, 621

Borgstrom, B. 68B, 15

Bosch, J. 70B, 477

Bossa, F. 69B, 737, 747, 753

Bouchard, B. G. 68B, 245

Boudon, M. 69B, 99, 107

Bounias, M. 69B, 471

Bouquet, Y. 69B, 223

Bourgeois, J. G. 69C, 227

Bourne, A. R. 70B, 661

Bowerman, R. F. 69A, 73

Bowman, C. E. 70B, 615, 803

Brackenbury, J. H. 68A, 1; 69A, 449

Bradley, E. L. 68A, 563

Braekkan, O. R. 70A, 545

Braham, R. 70B, 731

Brand, S. 70A, 37

Brauer, R. W. 68A, 501; 69A, 665

Breepoel, P. M. 69A, 225, 709

Breimer, D. D. 70C, 285

Bretting, H. 70B, 69

Brighenti, L. 68A, 313

Brine, C. J. 69B, 283; 70B, 173

Brown, A. C. 69A, 599

Brown, A. V. 69A, 499, 505

Brown, C. R. 69A, 51

Brown, C. S. 69C, 53

Brown, I. D. 69C, 275, 281

Brown, I. R. F. 69A, 675; 70A, 335

Brown, M. 70C, 215

Brown, P. R. 70B, 541

Brown, R. G. 70B, 27

Brown, S. E. 70C, 109

Bruce, M. J. 70A, 239

Brunori, M. 69C, 253

Buckley, J. A. 69C, 133, 337

Bueding, E. 69C, 227

Bulfield, G. 69B, 295

Bulla, L. A. Jr. 70B, 535

Burgos, J. 69B, 559

Burlington, R. F. 68B, 431

Burnett, J. W. 68C, 235; 69B, 529; 70B, 639

Burrell, D. E. 70C, 71, 215

Burt, J. R. 68B, 333; 69B, 127

Busacker, G. P. 69B, 249

Bushway, A. A. 68B, 245

Bushway, R. J. 68B, 245

Buss, E. G. 69B, 681

Butler, E. J. 69C, 307

Butterworth, P. E. 70B, 141

Buznikov, G. A. 69C, 359

Cabezas, J. A. 70B, 565

Cabot, D. C. 68C, 127

Cabot, M. C. 68B, 325

Cafmeyer, N. 69B, 345

Cain, H. 68C, 43

Calabrese, L. 69C, 253

Caligiuri, M. 70A, 359, 365, 371

Caloianu-Iordachel, M. 70B, 147

Calow, P. 69A, 443

Calton, G. J. 68C, 235; 69B, 529; 70B, 635

Carolei, A. 69C, 105; 70B, 775

Cameron, J. S. 70C, 109

Campbell, R. R. 68A, 653
 Camprodon, R. 70A, 309
 Caner, F. 70B, 493
 Canning, M. 69C, 169
 Cantalupo, G. 69B, 737
 Cantrill, R. C. 68B, 351, 351 377
 Caplow, M. 69B, 299
 Cardellini, P. 70B, 421
 Carder, D. A. 68A, 443
 Carlile, S. I. 70B, 753
 Carlsson, K-H. 69B, 715
 Carreras, J. 70B, 237, 247, 477
 Carroll, M. 70B, 319
 Carroll, R. G. 70C, 131
 Carvalho, V. C. O. 70B, 305
 Cary, G. 68A, 635
 Casabe, N. 68C, 255
 Casillas, E. 68A, 457
 Castanheira, E. B. 68B, 467
 Castille, F. L. Jr. 68A, 75, 677; 70A, 47, 519, 525
 Catapane, E. J. 69C, 25
 Cattieu, K. 70B, 779, 783, 787
 Causby, L. A. 69C, 367
 Cawthray, M. 69C, 149
 Cazzulo, J. J. 70B, 463
 Cerbo, R. 69C, 105
 Cerbon, J. 69A, 487; 69B, 487
 Chad, J. E. 68C, 35; 69C, 61
 Chadwick, A. 68A, 61
 Chaffee, R. R. J. 70B, 601
 Chaix, J. C. 69B, 701, 709
 Chambers, J. E. 69C, 109
 Chan, D. K. O. 68B, 113
 Chang, E. S. 70A, 239
 Chapman, D. C. 70B, 93
 Charet, P. 70B, 133
 Charnock, J. S. 69B, 169
 Chase, R. 70A, 149
 Chatagner, F. 69A, 571
 Chausseaud, L. F. 69C, 165
 Chavez, R. 70B, 447
 Chavin, W. 69B, 249
 Chebotareva, M. A. 68B, 135
 Chefurka, W. 69B, 361, 371, 359
 Chi, C-W. 70A, 547
 Chihal, D. M. 69C, 145
 Childs, M. 70B, 615
 Chippendale, G. M. 70B, 759
 Chirkovskaya, E. V. 68B, 139
 Chitwood, D. J. 69B, 115
 Chmurzynska, W. 70C, 223
 Cho, B. H. S. 68B, 19
 Chomicka, L. 70A, 161
 Choong, K. Y. 70A, 485
 Chovan, J. P. 69C, 149
 Christodoulou, C. 69B, 55
 Christoffersen, G. R. J. 68C, 243; 68A, 467, 611
 Chu, S. H. 68C, 229
 Cioni, M. 70B, 1
 Cirne, B. R. 69A, 219
 Clagett, C. O. 69B, 681
 Clapperton, J. L. 68A, 281
 Clark, M. G. 69B, 775
 Clarke, W. P. 69A, 479
 Claussen, D. L. 69A, 23
 Cleeve, H. J. W. 69A, 675
 Clegg, R. A. 69B, 585
 Clemens, E. T. 69A, 543
 Cmelik, S. H. W. 70B, 457
 Cobror, O. 69B, 687
 Cochran, D. G. 70A, 205
 Coenen-Staß, D. 70A, 405
 Coghill, D. R. 68B, 579
 Coglianese, M. 68A, 451
 Cohen, A. C. 69A, 165
 Cohen, E. 69B, 29

Cohen, J. L. 69A, 165
 Cohen, T. 69B, 639, 647
 Collatz, K-G. 68A, 571
 Collins, A. C. 69C, 199
 Collins, B. 68A, 635
 Collins, J. F. 70C, 91
 Colton, S. W. VI. 69B, 75
 Combs, G. F. Jr. 69C, 331
 Connock, M. 68B, 151
 Connolly, J. G. 69C, 265, 281
 Connolly, R. J. 68A, 269
 Cook, L. L. 70C, 273
 Cooper, A. J. L. 69B, 137
 Cooper, E. L. 68A, 681
 Corbin, K. W. 69B, 629
 Corfield, G. C. 69B, 877
 Cornillon, B. 69B, 231
 Cornillot, P. 69A, 59
 Corso, C. R. 69B, 901
 Costa, E. M. 69B, 633
 Costantini, S. 69C, 253
 Costlow, J. D. 68A, 91
 Cottrell, G. A. 70C, 103
 Coulson, R. A. 69A, 1
 Courtice, G. P. 68A, 429, 437; 69A, 805
 Couturier-Baud, Y. 70B, 571
 Cowan, F. B. M. 68A, 55
 Cowey, C. B. 68B, 147
 Coyer, P. E. 68A, 579
 Crabtree, R. L. 70A, 165
 Crespi, M. 68C, 161
 Crews, D. 70A, 115
 Crichton, E. G. 70A, 387
 Crimmins, D. L. 69B, 35
 Croft, S. L. 68C, 95
 Crowe, J. H. 69A, 423
 Crowe, L. M. 69A, 423
 Cruijsen, P. M. J. M. 68C, 151
 Crutcher, K. A. 70C, 273

Cruz, W. J. 69C, 117
 Csaba, G. 68C, 251
 Cudey, G. 69A, 705
 Cunningham-Paparo, K. 69C, 137
 Curley, W. H. 68B, 1
 Czarnecki, C. M. 69C, 149
 Czeczuga, B. 68B, 339; 69B, 293
 611, 885; 70B, 665
 Dabrowska, H. 69A, 99
 Dabrowski, K. 69A, 99
 Dahlman, D. L. 70B, 639
 Dahm, K. H. 68B, 521; 69B, 617
 Daily, C. S. 68A, 349
 Dain, J. A. 69B, 337
 Dales, R. P. 70A, 111
 Dalton, T. 69A, 211
 Damianakis, H. 70B, 289
 Dangott, L. J. 70B, 549
 Daniel, E. 70B, 115, 815
 Daniel, V. 70B, 815
 Daniels, K. A. 68A, 237
 Darley-Usmar, V. M. 68B, 445
 Daroogheh, H. 68B, 593
 da Silva, J. 70A, 265
 da Silva Passos, G. A. Jr. 68B, 377; 70B, 825
 Dauca, M. 69B, 15
 Dauncey, M. J. 69B, 69
 Davant, N. 69B, 829
 Davergne, M. 70A, 265
 Davis, F. M. 70A, 555
 Davis, R. H. 68B, 575
 Davuluri, S. P. 68B, 369; 69B, 329
 Dawes, C. M. 68A, 399
 Dawson, N. J. 69A, 43
 Dawson, W. W. 68A, 443
 Dave, G. 69C, 83
 David, E. T. 69B, 213
 Davidson, L. I. 70B, 535
 Davies, J. I. 70B, 689
 Davies, P. M. C. 69A, 113
 Dean, J. M. 68A, 659
 de Bianchi, A. D. 68B, 89
 De Bortoli, M. 68B, 295
 de Castrucci, A. M. L. 70C, 293
 de Cazzulo, B. M. F. 70B, 463
 De Costa, J. 70B, 331
 de Courcelles, D. de C. 70B, 487
 Decler, W. 69B, 865
 de Cruz, M. E. M. 70B, 313
 de Frescheville, J. 70B, 657
 Degen, A. A. 69A, 713
 Degn, H. 69B, 809
 de Jong, W. W. 69B, 593
 De la Cruz, L. F. 70A, 649
 DeLoach, J. R. 69B, 279
 De Loof, A. 70B, 387
 del Rio, P. M. 70A, 309
 de Lucca, F. L. 68B, 377; 70B, 825
 Demarne, Y. 68A, 361
 Demorest, D. L. 69B, 157
 Denbow, D. M. 68A, 87; 69A, 411
 Denfors, I. 69C, 375
 Denison, M. S. 69C, 109
 De Pirro, R. 70B, 341
 Desmeth, M. 68A, 641
 de Sousa, M. B. C. 70C, 123
 Dessauer, H. C. 68A, 67
 DeVlaming, V. L. 70A, 69; 70C 281
 de Vos, V. 70C, 289
 de Zwaan, A. 70B, 35
 Dhainaut, A. 70B, 493
 Dhindsa, D. S. 69A, 279
 Di Bello, C. 70B, 421
 Dickson, G. W. 70A, 421
 Didkowski, S. 68B, 505
 Diefenbach, C. O. da C. 68A, 285
 Di Giacomo, G. 70B, 153; 719
 Dikeman, R. N. 68B, 259
 Distler, M. H. W. 70A, 571
 Djerassi, C. 68B, 281
 Doherty, J. D. 69C, 185
 Doherty, M. J. 68C, 221
 Dominici, R. 70B, 341
 Donadey, C. 70B, 69
 Donahue, M. J. 69B, 693
 Donaldson, K. 68A, 31
 Doneen, B. A. 69A, 291
 Doonan, S. 69B, 737, 747; 753, 761
 Dornfeld, E. J. 69A, 777
 Dotson, M. J. 68C, 229
 Dougan, D. F. H. 70C, 277
 Down, W. H. 69C, 165
 Downe, A. E. R. 70B, 713
 Downer, R. G. H. 70B, 795
 Downing, D. T. 69B, 75
 Doyle, M. J. 68C, 115
 Drane, C. R. 68A, 107
 Dratewka-Kos, E. 68B, 437
 Drewes, C. D. 70A, 57
 Drolet, G. 70B, 795
 Dudai, Y. 69C, 387
 Duffield, A. M. 70B, 619; 70C, 277
 Duffield, P. H. 70C, 277
 Duffield, R. M. 70B, 317
 Duggan, R. T. 68A, 115
 Duggan, P. F. 70B, 85
 Duke, G. E. 68A, 237; 70A, 179
 Duncan, C. J. 69A, 329; 70A, 261
 Dunkelberger, D. G. 68A, 659
 Dupe-Godet, M. 69A, 31,

717 Falany, C. N. 68B, 119
 Dutrieu, J. 68B, 95 Famme, P. 69A, 243
 Dziegielewska, K. M. 68B, 307 Farnararo, M. 68B, 599
 Fathi, M. M. 69C, 395 Faulkner, A. 68A, 281
 Eastin, W. C. Jr. 68C, 103 Favilli, F. 68B, 599
 Echetebu, C. O. 70B, 359 Fears, R. 69B, 493
 Economidis, P. S. 70B, 289 Feder, M. E. 70A, 329, 497
 Edens, F. W. 68A, 87; 69A, 411 Federspeil, M. J. 69B, 511
 Edjtehadi, M. 68B, 555 Feist, D. D. 69A, 697
 Edson, M. S. 69B, 353 Fell, R. D. 69A, 567
 Edwards, B. A. 68A, 31 Fellows, F. C. I. 68B, 83
 Edwards, J. S. 70C, 159 Feng, S. Y. 70A, 119
 Eguchi, Y. 69C, 39 Fenical, W. 68B, 281
 Elander, M. 68B, 71 Fenwick, G. R. 69C, 307
 Elcombe, C. R. 69C, 219 Ferguson, A. 69B, 393
 Eliassen, E. E. 69C, 157 Fernandez, J. A. 69B, 559
 Ellerton, H. D. 70A, 91 Ferrando, A. 70A, 611
 Ellis, L. S. 68B, 397 Ferreira, C. 68B, 89
 Ellis, M. J. 70A, 587 Ferreira, M. F. A. 69B, 859
 Elo, H. A. 68A, 323 Ferrell, R. E. 69B, 23
 El-Salhy, M. 69B, 873 Fetterer, R. H. 69B, 803
 Elsayed, E. A. 69C, 157 Feuer, L. 69C, 411
 Elyakov, Y. B. 68B, 481 Feuerbacher, I. 70A, 247
 Elyakova, L. A. 69B, 905 Fichera, L. E. 70C, 265
 Emmanuel, B. 68B, 155 Field, L. H. 68A, 99, 331
 159, 547, 551, 555; 70A, 79 Figueiredo, E. A. 68B, 467
 Endahl, G. 68B, 245 Figueroa, H. R. 70A, 69; 70C, 70B, 643
 Engebretson, Jo. A. 68A, 523 Fiksdahl, A. 68B, 345
 Engel, J. C. 70B, 463 Filho, W. G. 68B, 377; 70B, 825
 Enoki, Y. 68B, 275 Filsell, O. H. 69B, 775
 Erasmus, T. 69A, 169 Fingerman, M. 68C, 205; 70C, 70A, 223
 Erkert, H. G. 68A, 383 27
 Esteller, A. 68A, 211; 69A, 341 Fingerman, S. W. 68C, 205
 Etches, R. J. 68A, 653 Fink, R. D. 70A, 285
 Etzion, Z. 69A, 129 Finn, A. F. Jr. 68C, 1
 Eveland, L. K. 68B, 111 Fiori, A. M. C. 68A, 285
 Fabregat, J. M. 70A, 309 Fisher, D. Z. 68C, 231
 Fabritius, A. 69B, 85 Fitzpatrick, D. 68C, 231
 Fitzpatrick, L. C. 69A, 499, 505; 70A, 141

Flack, I. H. 68A, 411; 70A, 257
 Flavin, M. 69B, 387
 Fleming, M. W. 69A, 337; 70B, 645
 Fleming, T. P. 69C, 391
 Fletcher, T. C. 69C, 325; 70C, 195
 Flores, J. 69B, 487
 Florey-Granger, B. 69A, 65
 Flos, R. 68C, 161
 Fluck, R. A. 70C, 129
 Folk, G. E. Jr. 69B, 541
 Foltmann, B. 68B, 9
 Ford, W. C. L. 68B, 289
 Forlin, L. 68C, 239; 70C, 297
 Forster, M. E. 70C, 85
 Foti, L. 70B, 623
 Fouchereau-Peron, M. 68A, 417
 Fowler, C. J. 68C, 145
 Fowler, J. C. 68C, 99
 Fraile, A. 70B, 331
 Fraisse, M. 70A, 443
 Frankel, J. S. 69B, 881; 70B, 643
 Frazier, L. W. 68A, 511; 69A, 157
 Frederiksen, K. 68A, 611
 Freedland, R. A. 69B, 257
 Freeman, B. M. 68A, 411; 665; 70B, 427
 Freidell, B. D. 70B, 811
 Freminet, A. 69B, 655, 665; 70B, 427
 Fremont, L. 69B, 99, 107
 Fried, B. 68B, 111
 Frieden, C. 69B, 517
 Frieden, E. 68C, 115
 Friedl, F. E. 68B, 119
 Frot-Coutaz, J. 69B, 231

Fuentes, N. 70C, 269
 Fuentes-Pardo, B. 68A, 477
 Fuhrman, F. A. 68C, 49; 70B, 799
 Fuhrman, G. J. 70B, 799
 Fujita, Y. 69B, 673
 Fung, A. C. Y. 69A, 237, 461
 Furuyama, S. 69B, 673
 Fuzeau-Braesch, S. 68A, 289
 Gabbott, P. A. 68B, 383
 70B, 689
 Gade, G. 69B, 715; 70B, 271
 Gailite, B. 70A, 107
 Galli-Gallardo, S. M. 68A, 123
 Gallivan, G. J. 69A, 579, 809
 Ganhao, M. 70C, 289
 Garcia, J. L. 68C, 109; 70B, 57
 Garcia, M. 68B, 457
 Garcia-Peregrin, E. 70B, 219
 Gardner, C. R. 68C, 85
 Gargiulo, A. M. 69B, 869
 Garlough, S. J. 70B, 451
 Garreton, M. 68A, 123
 Gavilanes, F. G. 70B, 257
 Gavilanes, J. G. 70B, 257
 Gay, C. V. 70A, 173
 Gazzinelli, G. 68B, 467
 Gee, D. M. 70B, 295
 Gee, J. H. 68A, 337
 Genoino, I. T. 70B, 623
 Genot, G. 68C, 247
 Gentry, R. L. 68A, 81
 Geren, C. R. 68B, 561; 70B, 349
 Gerencser, G. A. 68A, 225; 69A, 15
 Gersten, D. M. 68B, 319
 Gertler, A. 69B, 639, 647
 Ghazarian, J. G. 69B, 183
 Ghiasuddin, S. M. 68C, 15
 Gibbins, A. M. V. 70B, 731
 Gibson, R. A. 69B, 169
 Gielens, C. 69B, 455
 Giesecke, D. 69B, 85
 Giesy, J. P. 70A, 421
 Gillan, F. T. 69B, 843
 Gillett, M. P. T. 69B, 633; 70B, 305, 313
 Giorgi, F. 69B, 121
 Giovannini, E. 70C, 209
 Girard, H. 69A, 437
 Giraud, M-M. 69A, 381
 Girgis, G. R. 68C, 213
 Giunta, C. 68B, 295
 Gleeson, M. 69A, 449
 Glidewell, J. R. 70A, 141
 Glitz, D. G. 69B, 353
 Glynn, B. P. 68B, 361
 Godette, G. O. 70B, 415
 Goeger, D. E. 70B, 93
 Goetz, F. Wm. 69A, 557
 Goffart, M. 70A, 341
 Goldspink, G. 69B, 577
 Golotin, V. G. 70B, 381
 Gomez, R. 70A, 619
 Gomez-Capilla, J. A. 69B, 479
 Gondko, R. 68B, 603; 69A, 637
 Gonenko, V. A. 70B, 381
 Goni, F. M. 69B, 9
 Gonzalez, J. B. 69B, 819
 Gonzalez-Pacanowska, D. 70B, 219
 Gonalez-Ros, J. M. 68B, 313
 Goode, J. A. 70A, 13
 Goodman, A. M. 68B, 421
 Goppel, R. 69A, 689
 Gordon, S. 69B, 257
 Gospe, S. M. Jr. 70C, 273
 Got, R. 69B, 231; 70B, 323
 Gotow, T. 69A, 745
 Goubern, M. 69B, 237
 Gourdet, V. 70A, 265
 Grably, S. 69A, 683; 70B, 587
 Gratz, R. K. 69A, 693
 Gray, W. R. 68B, 473
 Grazyna, J. 69C, 153
 Green, J. 69B, 493
 Greenaway, H. C. 69A, 329
 Greenberg, M. J. 69A, 641; 70C, 103, 229
 Greenwood, N. M. 69C, 307
 Greven, H. 70A, 563
 Griffith, R. W. 68A, 123
 Grima, M. 69A, 437
 Grimelius, L. 69B, 873
 Grimmond, H. E. 69B, 303
 Goenewald, J. V. 69A, 567
 Groscolas, R. 70A, 191
 Grossman, Y. 68A, 487
 Grzelakowska-Sztabert, B. 70C, 223
 Guary, J. C. 68A, 423
 Guchhait, R. B. 69C, 227
 Guedes, L. M. L. A. 68A, 285
 Guixe, V. 70B, 225
 Guppy, M. 69B, 1
 Gustafsson, I-B. 69B, 873
 Gutman, D. H. 69A, 291
 Guyetant, R. 69A, 705
 Hack, M. H. 68B, 267
 Haffner, B. 68B, 57
 Haines, H. B. 68A, 349
 Hall, J. E. 68B, 521; 69B, 617, 791
 Hall, J. M. 69B, 295
 Hall, R. E. 70B, 353; 70C, 59

Hall, T. R. 70A, 69; 70C, 281
 Hamias, M. J. 69A, 149
 Han, S-J. 70A, 115
 Hance, A. J. 70A, 359, 365, 371
 Hanegan, J. L. 68C, 181
 Hannah, G. S. 70A, 157
 Hanninen, O. 68C, 121; 69C, 259; 70C, 149
 Hansell, H. 69A, 783
 Hansen, H. 70B, 515
 Hansen, J. S. 68B, 101
 Hanumante, M. M. 68C, 205; 70C, 27
 Harder, J. D. 69A, 337; 70B, 645
 Hardy, J. L. 69C, 117
 Haresign, T. W. 69A, 603
 Haritos, A. A. 68B, 359
 Haro, A. 68C, 109; 70B, 57
 Harri, M. 70C, 149
 Harri, M. N. E. 69C, 371
 Harris, B. G. 69B, 693
 Harris, B. W. 70A, 491
 Harris, M. P. 68C, 127
 Hartman, K. R. 68C, 235
 Hartmann, P. E. 70A, 13
 Hartner, W. C. 69A, 479
 Hashimura, S. 69A, 745
 Hasler, B. 70B, 807
 Hasley, J. H. Jr. 68A, 579
 Hasselrot, B. 69C, 83
 Hasumi, T. 68A, 9
 Hattingh, J. 68A, 519; 70C, 289
 Hayakawa, M. 70C, 35
 Hayes, J. D. 68B, 579
 Hazard, E. S. 70A, 9
 Hazevoet, M. 69A, 225, 709
 Head, E. J. H. 68B, 383
 Heath, T. 68A, 495
 Hedin, P. A. 68A, 261
 Hegarty, P. V. J. 69A, 161
 Heizer, W. D. 69B, 299
 de la Houssaye, B. A. 69B, 693
 Helmy, F. M. 68B, 267
 Henderson, R. J. 69C, 31
 Hendrix, J. P. Jr. 69A, 641
 Henning, M. 70C, 117, 249
 Henze, M. 69B, 91
 Hepburn, H. R. 68B, 351, 351
 Herberts, C. 70B, 657
 Herbert, J. D. 69A, 1; 69B, 499
 Hermann, A. 69C, 191
 Hernandez, M. C. 70B, 775
 Herold, J. P. 69A, 705
 Herp, A. 69B, 605
 Herreid, C. F. II, 68A, 673
 Herrera, E. 70A, 309
 Herrera, F. C. 68A, 373; 70A, 27
 Herrnkind, W. F. 69A, 523
 Hess, S. D. 69C, 13
 Heusner, A. A. 69A, 363
 Hewitt, S. 68A, 405; 68B, 491; 69A, 297
 Heyneman, R. 69B, 865
 Higgins, W. J. 68A, 43; 69C, 13
 Higuera, M. de la, 69A, 583
 Hilbig, R. 68B, 301
 Hilfiker, M. L. 68A, 43
 Hill, D. 68B, 561
 Hillman, G. R. 68C, 229
 Hillman, S. S. 69A, 141, 605
 Hilmy, A. M. 68C, 69, 195, 199
 Hilton, F. K. 70A, 491
 Hirai, Y. 70B, 435
 Hird, F. J. R. 68B, 83, 369; 69B, 329
 Hiripi, L. 69C, 407
 Hiroki, K. 70A, 627
 Hissa, R. 69C, 213
 Hiwada, K. 68B, 485
 Ho, S-M. 68B, 113
 Hodgkiss, J. P. 70A, 73
 Hoffman, R. A. 69A, 153
 Hoffmann, A. 70C, 123
 Hoffmann, K. H. 70B, 77
 Hohtola, E. 69C, 213
 Holmes, D. S. 69B, 303
 Holmgren, S. 69C, 141, 403; 70C, 65
 Holtzer, A. 69B, 35
 Homewood, C. A. 68C, 95
 Horwitz, J. 68B, 101
 Hotte, C. E. 68A, 269
 Houdry, J. 69B, 15
 Houk, E. J. 69C, 117
 House, G. J. 69B, 903
 Houseman, J. G. 70B, 713
 Houston, A. H. 70A, 315, 431
 Howard, B. 70A, 559
 Howard, R. J. 70B, 767
 Howe, N. R. 68B, 25, 221
 Huang, L. L. 68B, 107
 Hubbard, K. W. 70A, 491
 Hubert, E. V. 68C, 9
 Huddart, H. 68A, 625
 Hudson, R. A. 69B, 345
 Hugon, J. S. 69B, 15
 Huldt, G. 68B, 71
 Hulet, W. H. 69A, 641
 Hunt, S. 68B, 535
 Hurwitz, S. 68B, 401; 70A, 223
 Hutchison, V. H. 69A, 693; 70A, 9
 Huybrechts, R. 70B, 387
 Ichi, T. 70A, 97
 Ichimura, Y. 69C, 171
 Igarashi, S. J. 69B, 157
 Ikeda, M. 68A, 589
 Illera, M. 70A, 649

Imperia, P. S. 68B, 111
 Ingram, D. L. 69B, 69
 Innocenti, S. B. 69B, 121
 Insler, G. D. 70B, 697
 Ireland, M. P. 68A, 37
 Ishida, M. 70C, 49
 Ishii, N. 70A, 275
 Ishikawa, H. 68B, 377
 Ishikawa, T. 70C, 171
 Isom, L. L. 69B, 35
 Isseroff, H. 70A, 547
 Ivanovici, A. M. 70A, 17
 Iwata, K. 68A, 589
 Iwayama, Y. 70C, 171
 Jackson, L. L. 70B, 441
 Jacobs, G. 70B, 69
 James, P. S. 69A, 231
 James, V. A. 70C, 91
 Jameson, E. W. Jr. 69A, 363
 Jansen, M. 70C, 285
 Janssens, P. A. 70B, 105
 Jarrett, I. G. 69B, 775
 Jenkins, K. D. 69C, 205
 Jenks, B. G. 69C, 75
 Jenness, R. 70A, 375
 Jensen, A. L. 68B, 9
 Jensen, G. S. 70B, 161
 Jimenez, R. 69A, 341
 Joergensen, L. 69B, 769
 Johansen, J. 68A, 611
 Johansen, K. 68A, 159
 Johansson, P. 70C, 117, 249
 Johns, R. B. 69B, 843
 Johnson, C. 70A, 529
 Johnson, D. A. 70B, 725
 Johnson, D. B. 68B, 361;
 69C, 169
 Johnson, R. M. 69A, 205
 Jokumsen, A. 70A, 91
 Jones, C. S. 69B, 837
 Jones, J. W. 69A, 153
 Jones, M. B. 70A, 551
 Jones, T. H. 69B, 903
 Jones, W. R. 68A, 501
 Jones, G. D. 68B, 445
 Jonkel, C. 69A, 121
 Joosse, J. 70B, 45
 Jost, J. 68C, 43
 Jowett, P. E. 69C, 399
 Juel, C. 68C, 21
 Juhlin-Dannfelt, A. C. 69A,
 567
 Junqua, S. 69B, 445
 Jurss, K. 68B, 527; 70B, 829
 Kabankin, A. S. 69C, 359
 Kabayo, J. P. 69A, 325
 Kadous, A. A. 68C, 15
 Kaduce, T. L. 69B, 541
 Kaila, K. 69C, 235
 Kaitaranta, J. K. 69B, 725
 Kakuta, I. 68A, 589
 Kallapur, V. L. 68B, 425
 Kaloustian, K. V. 68A, 669;
 70B, 157
 Kamiguti, A. S. 69A, 739
 Kamijo, K. 69C, 179
 Kaminski, M. 68B, 505
 Kamis, A. B. 70A, 45
 Kanno, Y. 69C, 171
 Kao, V. 70B, 767
 Kaplan, H. B. 68C, 55
 Kapp, O. H. 70B, 165
 Karakousis, J. 70B, 289
 Karasawa, Y. 68A, 265; 70A,
 591
 Karlsson, B. W. 69B, 201
 Karmazsin, L. 69B, 637
 Kasschau, M. R. 70A, 631
 Kass-Simon, G. 68A, 217
 Katsoris, P. P. 69B, 55
 Kavaliers, M. 68A, 127
 Kawamura, T. 69A, 187
 Kayar, S. R. 69A, 487
 Keenan, T. W. 68B, 245
 Keller, N. E. 70C, 131
 Kellogg, T. F. 70B, 345
 Kelly, L. E. 69B, 61
 Keough, E. M. 68A, 269
 Keough, K. M. W. 69B,
 797
 Kerkut, G. A. 68C, 35;
 69C, 61, 265, 275, 281,
 395
 Kesbeke, F. 69B, 413;
 70B, 499
 Khan, M. A. Q. 68C, 221;
 70C, 77
 Khasina, E. I. 70B, 381
 Khatchadourian, C. 68B,
 415
 Khatim, M. M. Sir El.
 69A, 429
 Khirabadi, B. S. 68B,
 319
 Kimoto, S. 68A, 589
 King, F. D. 70B, 409
 Kinney, M. 68A, 501
 Kirby, A. C. 70A, 583
 Klarman, A. 70B, 115
 Klein, P. J. 70B, 469
 Kleinhouse, A. L. 70A, 37
 Klungsøy, L. 68B, 461
 Knapp, E. 68A, 187
 Knight, C. H. 70A, 427
 Knight, G. C. 68C, 127
 Knudsen, J. 70B, 515
 Kobayashi, M. 69A, 679;
 70A, 381
 Kobayashi, S. 69C, 179
 Kobayashi, T. 69B, 387
 Koch, R. A. 70C, 229
 Koechlin, N. 68A, 391,
 663; 69A, 349
 Koenig, M. L. 70A, 631
 Koivusaari, U. 68C, 121;
 69C, 259; 70C, 149
 Kokke, W. C. M. C. 68B,

281
 Kokubu, T. 68B, 485
 Koler, R. D. 69A, 279
 Kondo, M. 70B, 487
 Konecka, A. M. 69B, 307
 Kono, Y. 70C, 35
 Korppaibool, S. 69A, 137
 Kosaka, I. 68A, 9
 Koss, T. F. 70A, 431
 Krassner, S. M. 69A, 65
 Krebs, H. A. 70B, 385
 Krebs, J. R. 70B, 385
 Krembel, J. 70B, 493
 Kreps, E. M. 68B, 135, 363
 Kreuzer, F. 69A, 225, 709
 Kristensen, B. 69B, 809
 Kristensen, B. I. 68A, 611
 Krogsgaard-Larsen, P. 69C, 70A, 47, 519, 525
 Krusberg, L. R. 69B, 115
 Krutzsch, P. H. 70A, 387
 Krywuta, S. 68B, 339; 70B, 665
 Kubitz, A. 68B, 437
 Kuiper, H. A. 69C, 253
 Kulomaa, M. S. 68A, 323
 Kulzer, E. 69A, 689
 Kuramoto, M. 69A, 771
 Kuraoka, S. 69A, 249
 Kurian, P. 68B, 319
 Kushiak, R. 70A, 107
 Labeaga, L. 70A, 615
 Lacko, A. G. 70B, 753
 Lagercrantz, C. 69C, 375
 Lahlou, B. 69B, 425
 Lai, P. C. W. 68B, 107
 Lakatos, L. 69B, 637
 Lal, D. M. 69B, 529; 70B, 635
 Lambremont, F. N. 68B, 259
 Laming, P. R. 68A, 515; 69A, 537
 Landau, M. A. 69C, 359
 Lane, J. M. 70A, 603, 607
 Lang, F. 68A, 49
 Langeveld, J. P. M. 68B, 31
 Langley, P. A. 69A, 325
 Langslow, D. R. 69B, 479
 Laplaud, P. M. 68B, 125
 Larsson, T. 69C, 375
 Laskowska-Bozek, H. 70C, 223 345; 69B, 621, 625
 Lassegues, M. 69B, 829
 Latif, N. B. 70A, 45
 Lauber, J. K. 69B, 157
 Lauter, C. J. 69B, 195; 69C, 185
 Lavigne, D. M. 70B, 795
 Law, F. C. P. 69C, 19
 Lawrence, A. L. 68A, 75, 677; 70B, 653
 Lax, E. R. 70B, 807
 Lazarov, Y. 69A, 305; 70A, 643
 Leatherland, J. F. 68A, 653; 69A, 701; 69B, 311; 69C, 345; 70A, 575
 Leaver, J. 68B, 333; 69B, 127
 LeBoeuf, R. D. 68B, 25, 221
 Lech, J. J. 69C, 219
 Lechner, A. J. 70A, 321
 Lecourtier, M. J. 68A, 361
 Ledley, R. S. 68B, 319
 Ledoux, J-M. 69C, 353
 Lee, C. E. 70B, 185
 Lee, J. 70A, 595
 Lee, R. E. Jr. 70A, 579
 Le Gal, Y. 68A, 417
 Leger, C. 69B, 99, 107
 Lema, M. J. 69B, 287
 Lemercerre, C. 70A, 265
 Lemonnier, M. 69B, 445
 Lennon, J. F. 68B, 65
 Letoublon, R. 69B, 231
 Levitina, M. V. 68B, 135
 Levy, Y. 69A, 713
 Lewis, J. H. 68A, 355
 Lewiston, N. 70A, 359, 365, 371
 Ley, H. E. 70B, 457
 Leyko, W. 68B, 357
 Liaaen-Jensen, S. 68B, 219
 Lidman, U. 70C, 297
 Lila, L. 69C, 153
 Lin, A. L. 70B, 367
 Lin, W-L. 70B, 627
 Linares, A. 70B, 219
 Lind, J. 68B, 71
 Lindholm, J. S. 69B, 75
 Lindley, B. D. 70A, 583
 Lindsay, K. S. 70A, 13
 Lindstrom-Seppa, P. 68C, 121; 69C, 259
 Lindstrom, L. 70A, 217
 Liotti, F. S. 70C, 209
 Lisbona, F. 69A, 341
 Livingstone, D. R. 69B, 147; 70B, 35
 Lock, R. A. C. 68C, 151; 69C, 67
 Lockshin, A. A. 68C, 1
 Lockwood, J. 70B, 447
 Lönblad, P. 68B, 9
 Lontie, R. 69B, 455
 Lopez, M. A. 68A, 211; 68B, 457; 69A, 341
 Lopez, M. R. 68B, 141
 Lorenze, A. 69A, 689
 Lorscheider, F. L. 68B, 107
 Loughton, B. G. 68A, 25
 Loveridge, J. P. 69A, 51
 Lucier, G. W. 68B, 1
 Luft, A. J. 68B, 107
 Lukey, T. 69B, 54/

Lumb, R. H. 68B, 325
 Lundblad, G. 68B, 71
 Lupiani, M. J. 68A, 211
 McCann, F. V. 70C, 185
 McClanahan, L. Jr. 68A, 167
 McCommas, S. A. 68B, 25, 221
 McConaugha, J. R. 68A, 91
 McConnell, L. A. 70B, 279
 McCormick, J. M. 69B, 75
 McCormick, S. A. 68A, 605
 McCrorie, P. 70B, 319
 McDonough, P. M. 69A, 273
 McEdward, L. R. 70B, 653
 McFarlane, J. E. 70A, 571
 McGettigan, S. 69C, 169
 McGuinness, E. T. 69B, 909
 McKeag, M. 70B, 541
 McKenzie, H. A. 68B, 225
 McKeown, B. A. 69C, 125
 McLean, R. M. 69B, 329
 McMahon, R. F. 70C, 139
 McMurchie, E. J. 69B, 169
 McNamara, J. C. 70A, 627
 McRae, M. A. 68C, 181
 Macarulla, J. M. 70A, 615
 Maccioni, R. B. 70B, 375
 Macey, D. J. 69A, 815
 MacFarlane, R. B. 68B, 193
 Mackie, I. M. 68B, 173
 Maclean, G. S. 69A, 373
 Macmillan, D. L. 68A, 331
 Mac Nally, R. C. 69A, 731
 Madariaga, M. A. 68B, 313
 Madge, D. S. 70A, 439
 Magnuson, N. S. 70B, 279
 Mahany, T. 68B, 319
 Majewska, H. 69B, 307
 Major, C. W. 68C, 63
 Makarieva, T. N. 68B, 481
 Malcolm, J. L. 69A, 43
 Malinowski, C. E. 69B, 605
 Maloy, G. M. O. 69A, 543
 Maltz, E. 70A, 145
 Mandrup-Poulsen, J. 70A, 127
 Mangeat, P. 69B, 701
 Manning, A. C. C. 68A, 411
 Mao, S-H. 68B, 497
 Maoz, A. 68B, 401
 Marcus, E. 70C, 289
 Maresca, A. 70A, 217
 Margotta, V. 69C, 105; 70B, 775
 Marinetti, G. V. 70B, 779, 783, 787
 Markezich, A. L. 69A, 759
 Marks, D. H. 68A, 60A, 681
 Marley, P. B. 70B, 619
 Marmaras, V. J. 69B, 55
 Marques, L. A. C. 69C, 161
 Marsden, J. R. 68C, 43
 Marshall, J. 68B, 491
 Martel, M-B. 70B, 323
 Martens, G. J. M. 69C, 75
 Martin, K. J. 70A, 529
 Martin-Dudoignon, M. 70B, 257
 Martinez, I. R. 68B, 141; 69B, 851: 70B, 851
 Martin-Garmendia, M. 70A, 619
 Martini, F. 69B, 737, 753
 Martino, R. 70B, 421
 Martins, I. S. S. 69A, 739
 Marusic, E. T. 68A, 123
 Marvaldi, J. 69B, 701, 709
 Masaracchia, R. A. 69B, 693
 Mashimo, K. 69C, 113
 Mason, M. 70B, 451
 Mason, S. L. 69B, 265
 Mason, W. H. 68A, 523
 Mataix, F. J. 69A, 583; 70A, 649
 Matkovics, B. 69B, 637
 Matlock, D. B. 69A, 777
 Matsumoto, J. J. 68B, 389; 70B, 791
 Matsumura, F. 68C, 15
 Matsuoka, N. 70B, 739
 Mattheeuws, D. 69B, 223
 Maurel, D. 68B, 125
 Maxison, L. R. 68B, 397
 Mayer, R. T. 69B, 279
 Mearow, K. M. 70A, 315
 Medeiros, L. G. 70A, 83
 Medeiros, L. O. 70A, 83
 Medolago-Albani, L. 70B, 775
 Megias, A. 70B, 53
 Mehler, L. 68A, 571
 Meier, E. 68C, 231
 Meinardus, G. 70B, 271
 Meister, A. 69B, 137
 Melancon, M. J. 69C, 219
 Mellado, W. 70B, 375
 Melling, J. 69B, 797
 Menard, D. 69B, 15
 Mendes, E. G. 68A, 241; 69A, 595; 69C, 161
 Menke, A. S. 70B, 317
 Meredith, F. L. 69A, 599
 Mermel, L. 69C, 227
 Metcaffe, J. 69A, 279
 Mezquita, J. 70B, 237, 247
 Michalak, W. 69A, 637
 Miki, W. 68B, 517
 Milhaud, G. 68A, 417
 Milicua, J. C. G. 69B, 9
 Miller, K. 69A, 693
 Miller, M. S. 69B, 681
 Mills, G. L. 69B, 553
 Mills, J. 69A, 789
 Mircheva, D. 69A, 305
 Miura, K. 69A, 405
 Mix, M. C. 70C, 13
 Miyagawa, T. 69C, 39
 Moccia, R. D. 69A, 701

Mochizuki, Y.	70B, 745	401	Noaillac-Depeyre, J.	70A, 443	
Moen, K. A.	68B, 461; 69C, 157	Murakami, H.	70C, 171	Muramatsu, T.	70B, 527
Moldeus, P.	70B, 631	Muramoto, A.	69A, 197	Murat, J. C.	68A, 149; 70A, 443
Mollenhauer, H. H.	69B, 279	Murat, J. C.	68A, 149; 70A, 443	Musgrave, K. O.	69A, 161
Molokova, L. P.	70B, 381	Monaco, F.	70B, 341	Mykles, D. L.	69A, 317
Monovoisin, J.-L.	70A, 265	Moore, F. L.	70A, 115	Nadakavukaren, M. J.	70B, 607
Moran, J. B.	68B, 561; 70B, 349	Moreau, R.	68B, 95; 69A, 79	Nagai, K.-I.	68A, 95
Moreau-Lebbe, A.	70A, 341	Moreira, G. S.	70A, 627	Nagai, T.	68A, 9
Moreira, P. S.	70A, 627	Moreira, G. S.	70A, 627	Nahas, L.	69A, 739
Morello, A. M.	69B, 291	Morello, A. M.	69B, 291	Nahrstedt, A.	68B, 575
Morfin, R.	68C, 247	Morfin, R.	68C, 247	Nakagawa, S.	69A, 591
Morgan, D. N.	69C, 145	Morgan, D. N.	69C, 145	Nakatani, I.	68A, 549
Morishima, I.	68B, 567	Morishima, I.	68B, 567	Nambu, Z.	69A, 285
Morita, T.	70B, 527	Morley, M.	68A, 61	Nardi, G.	68B, 415
Morris, J.	68B, 183	Morris, R.	69C, 353	Nash, W. W.	69C, 205
Morris, R. W.	70A, 623	Morrison, P. E.	68B, 425	Nasurlaeva, I.	70A, 107
Morrison, P. R.	69A, 697	Morrison, P. R.	69A, 697	Neame, K. D.	68C, 95
Morrissey, M. T.	70B, 631	Morrissey, R. E.	69B, 133; 70C, 159	Neeman, I.	69B, 529; 70B, 635
Morrissey, R. E.	69B, 133; 70C, 159	Morrow, C. D.	69A, 65	Neff, J. M.	68A, 451
Mugiya, Y.	68A, 659; 70A, 97	Morrow, G.	69A, 537	Negrel, R.	68A, 423
Mukhtar, H.	70C, 285	Morton, D.	69A, 511	Nelson, R. J.	69A, 145
Muller, V.	68B, 225	Mosher, H. S.	70B, 799	Nemcsok, J.	69C, 407
Mullin, R. J.	70A, 375	Motokawa, T.	70C, 41	Nestler, C.	69C, 53
Mulvey, M.	70A, 119	Moukhtar, M. S.	68A, 417	Neukrancz, R. K.	70B, 639
Muneoka, Y.	69C, 171	Mugiya, Y.	68A, 659; 70A, 97	Neumann, D. A.	69A, 467
Municipio, A. M.	70B, 53, 57	Mukhtar, H.	70C, 285	Newkirk, R. F.	70C, 177
		Muller, V.	68B, 225	Nicholls, D. M.	68C, 213
		Mullin, R. J.	70A, 375	Nichols, P. D.	69B, 843
		Mulvey, M.	70A, 119	Nicholson, J. K.	68C, 91
		Muneoka, Y.	69C, 171	Nicolas, G.	68A, 289
		Municipio, A. M.	70B, 53, 57	Nicolosi, R. J.	69B, 291
				Niemela, A. O.	68A, 323
				Nikinmaa, M.	69A, 767; 70A, 133
				Nilsson, S.	69C, 141; 70C, 65
				Nimmo, I. A.	68B, 579
				Nishino, C.	70A, 229
				Nixon, M.	68B, 535

T. 70A, 1

Otsu, T. 68A, 549

Ottolenghi, C. 68A, 313

Ozols, A. 70A, 107

Pacheco, M. F. 68C, 99

Paino, C. 70A, 615

Palladini, G. 69C, 105; 70B, 775

Pallas, S. L. 70A, 57

Palmork, K. H. 70C, 21

Palou, A. 70A, 611

Palumbo, A. 68B, 415

Pang, P. K. T. 68A, 123

Paparo, A. A. 69A, 417; 69C, 137

Park, C. S. 68B, 329

Park, J. H. Y. 69A, 161

Parke, D. V. 69B, 493

Parker, D. S. 69B, 837

Parker, R. S. 70B, 631

Parrhenter, R. R. 70A, 235

Partridge, L. D. 68C, 99

Pascolini, R. 69B, 869

Paterson, J. Y. F. 69A, 231

Paton, B. C. 70B, 105

Patterson, G. W. 68B, 177; 69B, 175

Paul, R. D. 70A, 329

Payen, G. G. 69A, 571

Peacock, A. J. 68C, 29; 69A, 133

Peaker, M. 70A, 427

Pearce, F. L. 69B, 761

Pearson, A. W. 69C, 307

Pedemonte, C. H. 70B, 559

Penefsky, Z. J. 69A, 649, 659; 70C, 185

Penney, R. K. 69B, 577

Pepys, M. B. 69C, 325

Peres, G. 69A, 455

Pernas, R. V. 69B, 851; 70B, 125

Perramon, A. 70A, 265

Perret, G. 69A, 59

Perry, A. S. 70C, 97

Perry, G. J. 69B, 843

Perryman, L. E. 70B, 279

Peters, B. H. 70A, 397

Petersen, D. R. 69C, 199

Petersen, I. M. 69B, 47

Pettit, M. J. 68A, 507

Perzanowska, A. 69B, 79

Peyraud, C. 68C, 247

Phillips, R. W. 69B, 775

Pholpramool, C. 69A, 137

Pickford, G. E. 70A, 157

Piek, T. 68C, 75

Piery, Y. 69A, 683; 70B, 587

Pihet, A. 68A, 361

Pilch, S. M. 69C, 331

Pilkington, J. B. 69A, 587

Pinzauti, G. 70B, 1

Piot, E. 70B, 487

Pivorun, E. B. 70A, 435

Plaghki L. 70A, 341

Plaza, M. 68A, 373; 70A, 27

Plisetskaya, E. M. 68A, 149

Pochon-Masson, J. 69A, 571

Poe, W. E. 68A, 261

Polonsky, J. 68A, 391

Poluhowich, J. J. 70A, 587

Pomazanskaya, L. F. 68B, 138

Ponce, O. 68B, 251

Pons, G. 70B, 247, 477

Poor, B. W. 69C, 205

Popeck, W. 70C, 135

Portemer, C. 69A, 571

Porter, P. B. 69B, 737, 747, 761

Portet, R. 69B, 237; 70B, 193, 679

Porthe-Nibelle, J. 69B, 425

Potter, I. C. 69A, 815

Poupa, O. 70A, 217

Powell, E. N. 70A, 631

Prado, A. 69B, 9

Prashad, D. N. 69A, 345

Preaux, G. 69B, 455

Price, D. A. 70C, 103

Price, M. P. 68C, 115

Price, N. R. 69C, 129

Principato, G. B. 70C, 209

Prins, H. W. 70C, 255

Prinzinger, R. 69A, 689; 70A, 247

Prota, G. 68B, 415

Pryor, S. C. 69B, 23

Publicover, S. J. 70A, 261

Puviani, A. C. 68A, 313

Racioppi, J. V. 70B, 639

Radojkovic, J. 70B, 225

Raghianti, M. 69B, 121

Ragland, I. M. 70A, 33

Rahmann, H. 68B, 301

Railo, E. 69A, 767

Rainer, S. F. 70A, 17

Raison, J. K. 69B, 169

Ralin, D. B. 68A, 175

Ram, J. L. 68C, 133

Rama, M. R. 68B, 141; 69B, 851; 70B, 125

Ramli, J. B. 69C, 379

Ramon, J. M. 70A, 309

Ramsey, P. R. 69A, 517

Ramwell, P. W. 68B, 319

Randall, B. M. 69A, 169

Randall, R. M. 69A, 169

Raoelison, C. 69A, 79

Rattner, B. A. 68C, 103

Rattner, D. 69A, 713

Raymont, J. E. G. 68B, 183

Read, D. A. 69A, 443
 Reel, K. R. 68C, 49
 Reglero, A. 70B, 565
 Reider, E. 70A, 173
 Reiner, U. R. 70A, 83
 Reis, H. A. 69A, 219
 Reischl, E. 69B, 463
 Reiss, P. D. 69C, 13
 Rempeters, G. 69B, 91
 Renata, W. 69C, 153
 Renst m, B. 69B, 621, 625
 Reynolds, J. 68A, 495
 Rhead, M. M. 69C, 399
 Ribeiro, L. P. 69B, 859
 Ribera, A. 68B, 313
 Richards, J. F. 69A, 511
 Richards, K. S. 69C, 391
 Richardson, F. D. 70B, 457
 Riddle, W. A. 69A, 759
 Ridgway, S. H. 68A, 443
 Riddle, W. A. 68A, 231; 69A, 493
 Ridlington, J. W. 70B, 93
 Riesenfeld, G. 70A, 223
 Rigal, A. 69A, 455
 Riley, R. T. 68A, 253; 70C, 13
 Rind, F. C. 68A, 99
 Ritchie, A. H. 68B, 173
 Riva, M. C. 68C, 161
 Robbins, M. E. C. 69A, 345
 Roberts, C. J. 69C, 7, 301; 70C, 91
 Roberts, L. 69B, 445
 Robertson, F. M. 70A, 653
 Robin, D. A. 70A, 359, 365, 371
 Robin, E. D. 70A, 359, 365, 371
 Roch, P. 69B, 829
 Roche, J. 70B, 341
 Rodger, J. C. 70B, 619
 Rodrigo, M. 70B, 565
 Rodrigues, M. I. 69A, 739
 Rodriguez, A. 70A, 191
 Roe, P. 69A, 423
 Roesijadi, G. 70C, 59
 Rogala, A. 68B, 603
 Rogers, C. 68B, 225
 Ronald, K. 69A, 121, 177, 579; 70A, 575, 595
 Root, T. M. 69A, 73
 Roseman, M. 70C, 269
 Rosner, H. 68B, 301
 Rotermund, A. J. Jr. 523
 Rothmund, E. 68A, 383
 Rounds, H. D. 69C, 293
 Royal, R. 68A, 501
 Rubiliani, C. 70B, 415
 Rubin, L. 69C, 383
 Rubio, V. I. 68A, 477
 Ruczkal-Pietrzak, E. 70A, 447
 Ruiz, A. M. 70B, 463
 Rush, W. R. 69B, 493
 Saarikoski, J. 69C, 235
 Sable-Amplis, R. 69B, 243
 Sage, H. 68B, 473
 Said, M. M. 68C, 69
 Saied, M. M. 68C, 195, 199
 Sakae, A. 70A, 591
 Sakaguchi, Y. 70B, 791
 Sakai, J. 68B, 389; 70B, 791
 Sakai, T. 69B, 673
 Sala, M. 70B, 421
 Salanki, J. 69C, 407
 Salem, N. Jr. 69B, 195; 69C, 185
 Salibian, A. 70C, 265
 Sallis, J. D. 70B, 541
 Salvadore, S. 70B, 521, 623
 Salvato, V. L. 70A, 321
 Sanchez, G. 70B, 447, 451
 Sanchez-Chiang, L. 68B, 251
 Sanchez-Muniz, F. J. 69A, 583
 Sancho, J. 69B, 479
 Sancho, M. J. 70A, 615
 Sand, O. 68B, 77; 69B, 435
 Sandness, K. 70A, 545
 Sanduja, R. 69B, 535
 Santoro, P. F. 69B, 337
 Santos, C. A. Z. dos, 69A, 595
 Saramies, E. 68C, 145
 Sarcione, E. J. 69B, 287
 Sargent, J. R. 69C, 31
 Sasayama, Y. 68A, 95
 Sato, T. 69A, 395
 Saunders, N. R. 68B, 307
 Savory, C. J. 70A, 179
 Scanes, C. G. 68A, 61
 Scardi, V. 70B, 521, 623
 Schaffer, S. W. 69C, 149
 Schatte, C. L. 68C, 175
 Schatzlein, F. C. 69A, 205
 Schegg, K. M. 68B, 585
 Scheilbing, R. E. 69A, 175
 Schevchenko, N. M. 69B, 905
 Schiller, C. M. 68B, 1; 70B, 209
 Schindelmeiser, J. 70A, 563
 Schinina, E. 69B, 753
 Schlaghecke, R. 70A, 53
 Schlenker, E. H. 68A, 673
 Schmeisser, E. T. 68A, 443
 Schmidt, J. A. 68A, 487
 Schottler, U. 68B, 41
 Schraer, H. 70A, 173
 Schram, A. C. 70B, 811
 Schriefers, H. 70B, 807
 Schulz, R. 70A, 53
 Sciuto, S. 70B, 611
 Scott, W. N. 69A, 649, 659
 Secchi, J. 69B, 709

Seed, J. R. 68B, 521; 69B, 617, 791
 Segura, E. L. 70B, 463
 Sekiya, Y. 69C, 113
 Selivonchick, D. P. 70B, 631
 Sellers, J. C. 70A, 33
 Selley, M. L. 70B, 619
 Sellos, D. 68B, 49
 Sendecki, W. 68C, 213
 Senkbeil, E. G. 68B, 163; 69B, 781
 Serzedello, A. 69B, 901
 Seymour, E. A. 70A, 451
 Shabana, M. B. 68C, 69, 195, 199
 Shackleford, M. E. 70C, 77
 Shamim, M. 70B, 317
 Shapiro, C. J. 68A, 111
 Sharkey, D. J. 70A, 173
 Sharpe, A. 68B, 445
 Shaw, D. C. 68B, 225
 Sheehan, D. 69B, 737
 Shelley, H. J. 70A, 87
 Shelton, G. A. B. 70A, 397
 Sherk, J. A. Jr. 69A, 467
 Sheshukova, T. 70A, 107
 Shiba, Y. 69C, 171
 Shih, T. M. 70C, 129
 Shimizu, M. 68A, 659
 Shinozaki, H. 70C, 49
 Shkolnik, A. 70A, 145
 Shlom, J. M. 69B, 273
 Shoaf, C. R. 69B, 299
 Shochat, D. 68A, 67
 Shug, A. L. 68B, 431
 Shumway, S. E. 69A, 603; 70A, 551
 Sibrian, A. M. K. 70B, 305
 Sica, D. 70B, 153, 719
 Sichel, G. 70B, 611
 Siebenlist, K. R. 70C, 261
 Siggins, K. W. 69B, 877
 Signorini, G. 69B, 121
 Sikes, C. S. 70A, 285
 Sikorowski, P. P. 68A, 103, 527; 70B, 179
 Silanikova, N. 70A, 145
 Silveira, J. E. N. 69A, 219
 Simkiss, K. 70A, 559
 Simon, L. M. 70A, 371
 Simonsen, L. 68A, 611
 Sims, K. 70A, 533
 Singer, S. S. 69B, 511
 Singh, G. J. P. 69C, 313
 Sinnamon, W. B. 70A, 435
 Slade, C. T. 69A, 789
 Slettengren, K. 68B, 71
 Small, G. 68B, 151
 Smiałowska, E. 69B, 79
 Smidt, E. 68B, 9
 Smit, G. L. 68A, 519
 Smith, E. N. 69C, 367; 70A, 529, 533
 Smith, G. M. 70C, 195
 Smith, K. E. 69B, 213
 Smith, L. 68A, 457; 70B, 579
 Smith, M. W. 69A, 231
 Smith, P. J. S. 70A, 103
 Smith, R. C. 69B, 505
 Smith, T. L. 70A, 567
 Smolen, A. 69C, 199
 Smolen, T. N. 69C, 199
 Smullin, D. H. 70B, 263
 Synders, F. F. 69B, 547
 So, E. M. K. 69C, 19
 Sobiech, K. A. 70A, 255
 Sod-Moriah, U. A. 69A, 713
 Sofołowska, M. 70C, 135
 Soivio, A. 69A, 767; 70A, 133
 Solbakken, J. E. 70C, 21
 Solon, M. H. 68A, 217
 Song, Ai-R. 68B, 397
 Sonstegard, R. A. 69A, 701; 69C, 345
 Sørenson, P. G. 69C, 45
 Sorrel, F. Y. 68A, 501
 Spector, A. A. 69B, 541
 Spielvogel, S. P. 70A, 115
 Spinage, C. A. 70A, 87
 Spurling, N. W. 68A, 541
 Spychała, J. 69B, 5; 70B, 821
 S.-Rozsa, K. 69A, 85; 69C, 411
 Staddon, B. W. 68B, 593
 Stammler, G. 68A, 571
 Stankiewicz, A. 69B, 5; 70B, 821
 Stanley, I. J. 68B, 369
 Stapel, S. O. 69B, 593
 Steers, E. Jr. 70B, 185
 Stefano, G. B. 69C, 25; 70C, 71, 215
 Stegeman, J. J. 68C, 55
 Stein, E. A. 68A, 681
 Stene-Larsen, G. 70C, 1
 Stenersen, J. 69C, 243
 Stephens, G. A. 70A, 653
 Sternby, B. 68B, 15
 Stern-Tomlinson, W. 70A, 251
 Stewart, D. B. 68A, 337
 Stewart, M. G. 69A, 311
 Stiffler, D. F. 69A, 273
 Stingo, V. 69B, 687
 Stirts, H. M. 69A, 125
 Stoll, D. B. 68B, 421
 Stonik, V. A. 68B, 481
 Stoppie, P. 70B, 387
 Storrs, E. E. 69A, 517
 Strange, R. C. 68B, 579
 Strong, E. R. 68A, 579
 Studier, E. H. 70A, 537
 Stupfel, M. 70A, 265
 Sturbaum, B. A. 70A, 199, 599
 Suarez, A. 70B, 401
 Suarez, M. D. 70B, 219
 Sugimoto, K. 69A, 395

Sukmar, R. 70C, 177
 Sullivan, B. 69B, 897
 Sutherland, J. 68C, 63
 Sutter, B. Ch. J. 69A, 79
 Suzuki, S. 70B, 703
 Swan, H. 68C, 175
 Sweeny, P. R. 70B, 27
 Swierczynski, B. 69A, 637
 Sykiotis, M. 68B, 505
 Szabo, L. 69B, 637
 Tadmor, A. 69C, 121
 Taggart, J. 69B, 393
 Takahara, K. 69C, 179
 Takahata, M. 68A, 17
 Takamatsu, H. 70B, 435
 Takayanagi, H. 70A, 229
 Takemoto, L. J. 68B, 101
 Taketa, F. 70C, 261
 Takeuchi, K. 70A, 275
 Tam, J. W. O. 69C, 99
 Tan, C. H. 70A, 485
 Tanaka, N. 69A, 591
 Tansey, E. M. 70C, 241
 Tarui, H. 68A, 95
 Tarvid, I. 70A, 107
 Tatrai, I. 68A, 119; 70A, 211
 Tauber, J. D. 68B, 25
 Taylor, A. A. 70C, 131
 Taylor, B. M. 69A, 113
 Taylor, D. C. 69B, 553
 Taylor, T. G. 68A, 647
 Tazawa, H. 69A, 333
 Tellam, R. 69B, 517
 Tentori, E. 69B, 897
 Teplitz, N. A. 69C, 359
 Terblanche, S. E. 69A, 567
 Terman, C. R. 68A, 563
 Terra, W. R. 68B, 89
 Terwilliger, N. B. 70B, 169, 353
 Terwilliger, R. C. 70B, 549
 Teshima, S-i. 68B, 177; 69B
 175
 Thebault, M. T. 68B, 65
 Theodore, J. 70A, 359, 365, 371
 Theofan, G. 69A, 557
 Thierry, H. 70A, 265
 Thomas, W. E. 70C, 177
 Thompson, A. C. 70A, 555; 70B, 179
 Thompson, G. E. 70A, 13
 Thompson, J. 70A, 509
 Thompson, R. J. 70B, 35
 Thompson, S. N. 69A, 173
 Thornhill, R. A. 69C, 313
 Thouard, D. 68A, 361
 Tilley, P. A. G. 69C, 125
 Tokarz, R. R. 70A, 115
 Tokura, H. 69A, 591
 Torgerson, G. E. 69A, 551
 Torruella, M. 70B, 463
 Tota, B. 70A, 217
 Townsel, J. G. 70C, 177
 Trams, E. G. 69B, 195; 69C, 185
 Trayhurn, P. 69B, 69
 Triantaphyllidis, C. D. 70B, 289
 Truchot, J-P. 68A, 555
 Tschinkel, W. R. 69B, 903
 Tsuyama, S. 69A, 405
 Tua, D. C. 69A, 675
 Turner, J. C. Jr. 68A, 167
 Turner, R. L. 69A, 125
 Turunen, S. 70B, 759
 Tuttle, R. C. 68B, 345
 Tyler, D. F. Jr. 69A, 517
 Tyrrell, D. J. 70B, 535
 Ubornyak, L. 68C, 251
 Uhlenbruck, G. 70B, 469
 Umbach, J. A. 68A, 49
 Underwood, H. 69A, 575
 Urbaneja, M. 70B, 367
 Ureta, T. 70B, 225
 Uva, B. 68A, 307
 Vacelet, J. 70B, 69
 Vacha, J. 69A, 357
 Valembois, P. 69B, 829
 Valente, D. 69C, 161
 Vallarino, M. 68A, 307
 Vanatta, J. C. 68A, 511; 69A, 157
 Van der Hamer, C. J. A. 70C, 255
 Vandeputte-Poma, J. 68A, 641
 Van der Horst, D. J. 69B, 315; 70B, 387
 Van de Voort, F. R. 70B, 731
 Van de Weghe, A. 69B, 223
 Van Elk, R. 70B, 45
 Van Gelderen, J. T. 69B, 273; 70B, 165
 Van Hauwaert, M-L. 70B, 487
 Vanheel, B. 58A, 641
 Van Marrewijk, W. J. A. 69B, 315
 Vanni, P. 68B, 599; 70B, 1
 van Overbeeke, A. P. 68C, 151; 69C, 67 75
 van Swigchem, H. 68A, 199
 van Waarde, A. 68B, 407; 69B, 413; 70B, 499
 Van Wormhoudt, A. 68B, 49
 Van Zeveren, A. 69B, 2-3
 Varela, G. 69A, 583
 Varenne, J. 68A, 391
 Varga, Sz. I. 69B, 637
 Vassy, R. 69A, 59
 Vazquez Pernas, R. 68B,

141
 Vecchini, P. 69C, 253
 Veerkamp, J. H. 68B, 31
 Veltman, J. C. 69B, 523
 Venkatesh, K. 68B, 425
 Venturini, G. 69C, 105; 70B, 775
 Vercelli, R. 68B, 295
 Vergnes, O. 70B, 323
 Verschueren, L. J. 69B, 455
 Vesby, B. 69B, 873
 Vich, J. F. 70A, 533
 Vinogradov, S. N. 69B, 273; 70B, 165
 Visconti, M. A. 70C, 293
 Vives, F. 69B, 479
 Vodicnik, M. J. 69C, 219
 Volkman, J. K. 69B, 843
 Volmer, H. 70A, 351
 von Hagen, H. O. 70B, 393
 Voulot, C. 68B, 415
 Wada, N. 68A, 589
 Wadano, A. 69A, 405
 Waddill, J. R. 69A, 517
 Wade, D. N. 70C, 277
 Wadley, V. A. 70A, 17
 Wagner, A. P. 70B, 147
 Wagner, L. P. 70B, 147
 Walker, C. H. 68C, 127
 Walker, G. 69A, 389
 Walker, R. J. 69C, 7, 301; 70C, 91
 Wallenberg, P. v. 69B, 85
 Walton, M. J. 68B, 147
 Warburg, M. R. 68A, 277
 Ward, J. M. Jr. 69A, 621, 627
 Ward, L. C. 69B, 265
 Warner, S. J. 68B, 351, 351
 Warren, L. M. 69A, 321, 70A, 111
 Wassersug, R. J. 70A, 329
 Watabe, N. 68A, 659
 Watkins, P. 68B, 509
 Watson, T. A. 68C, 167; 69C, 125
 Watts, P. D. 69A, 121
 Wayman, A. L. 69C, 199
 Wdzieczak, J. 68B, 357
 Weathers, W. W. 68A, 111
 Webb, K. L. 70B, 649
 Webb, R. A. 70C, 201
 Weber, J. F. 70B, 799
 Weber, R. E. 68A, 159; 70A, 91
 Wedege, E. 70B, 63
 Weinreich, D. 69C, 383
 Weiss, A. 69C, 1
 Welch, W. Jr. 68B, 585
 Wells, R. M. G. 70A, 91, 111
 Wengrovitz, P. S. 69B, 535
 Westman, K. 70A, 133
 Whanger, P. D. 70B, 93
 Wheeler, A. P. 69C, 53
 Wheeler, J. W. 70B, 317
 Wheldrake, J. F. 68A, 405; 68B, 491; 69C, 379
 Whitaker, J. N. 68B, 215
 White, A. 69C, 325
 White, I. G. 70B, 619
 White, K. N. 69A, 389
 White, P. T. 70A, 335
 Wiberg, A. 68C, 145
 Wickham, D. E. 69A, 423
 Wienhausen, G. 68B, 41
 Wieser, W. 68A, 187; 68B, 57
 Wilcox, L. M. Jr. 68A, 269
 Wilhelm, F^o, D. 69B, 463
 Wilkinson, S. M. 69B, 737, 747
 Williams, J. A. 70A, 639
 Williams, J. B. 69A, 783
 Williams, J. F. 69B, 553
 Williams, T. D. 70A, 375
 Wilps, H. 68A, 571
 Wilson, J. G. 70C, 139
 Wilson, M. T. 68B, 445
 Wilson, W. A. Jr. 70C, 273
 Wilson, W. T. 70B, 607
 Wimsatt, W. A. 70A, 387
 Winberg, M. 69C, 141
 Windmill, D. M. 69A, 211
 Winlow, W. 69A, 789; 70A, 293
 Wisnes, A. R. 69C, 157
 Wit, L. C. 70A, 33
 Witas, H. 68B, 357
 Withers, N. W. 68B, 345
 Withers, P. C. 69A, 141, 605
 Wittmann, J. 69C, 1
 Wiygul, G. 68A, 103, 527
 WoldeMussie, E. 69B, 803
 Wolf, G. H. 69B, 865
 Womersley, C. 68A, 249; 70B, 579, 669
 Woo, N. Y. S. 68A, 149; 69A, 237, 461; 70A, 443
 Woo, S. M. 69B, 189
 Wood, E. J. 69B, 877
 Woodward, J. J. 68A, 457
 Worm, R. A. A. 70B, 509
 Worthy, G. A. J. 70B, 795
 Wright, P. G. 70C, 289
 Wriston, J. C. Jr. 68B, 163; 69B, 781
 Wukie, J. J. 70B, 645
 Wygoda, M. L. 70A, 243
 Xyda, A. 68B, 359
 Yagil, R. 69A, 129
 Yahalom, Z. 70C, 97
 Yamada, J. 68A, 659
 Yamaguchi, K. 68B, 517
 Yamashita, S. 69A, 187
 Yamashita, T. 70B, 435

Yamazaki, M. 70C, 35
Yanda, D. M. 69B, 183
Yarbrough, B. J. II. 69A,
259
Yarbrough, J. D. 69C, 109
Yawetz, A. 68B, 237
Yayanos, A. A. 69A, 563
Yokoyama, E. 69A, 285
Yokoyama, M. 68B, 485

Zaba, B. N. 70B, 689
Zabara, J. 70A, 469
Zaleska-Freljan, K. I. 70A,
161
Zalesna, G. 68B, 357
Zambrano, F. 70C, 269
Zamora, S. 68A, 211; 68B,
457
Zanders, I. P. 70A, 457
Zatta, P. 69B, 731
Zepeda, S. 70B, 225
Zerba, E. N. 68C, 255
Zhukova, N. V. 69B, 599
Zhuravler, V. 69A, 85
Zielinska, Z. M. 70C, 223
Zink, R. M. 69B, 629
Zinner, K. 68B, 89
Znojil, V. 69A, 357
Zoeller, R. T. 70A, 115
Zoetemelk, C. E. M. 70C,
285
Zolla, L. 69C, 253
Zucker, I. 69A, 145
Zusman, N. 69B, 345
Zweers, A. 69B, 593
Zygmuntowicz, R. 68B, 437

SUBJECT INDEX

Volumes 68-70 A, B and C, 1981

A23187, 69A, 65
ABRM, 68A, 9
Abramis brama, 68A, 119; 70A, 211
Absorption of amino acids, 69A, 99
Acanthonyx lunulatus, 69B, 701
Acclimation, 68A, 55
Acclimation/reacclimation, 69A, 417
Accumulation, 68A, 663
Acetaminophen, 70B, 631
Acetate, 69B, 837
Acetylcholine, 68C, 35, 187; 69C, 161, 395; 70C, 129, 171, 185
Acetylcholinesterase (AChE) 68C, 229; 69C, 117, 125; 70C, 157, 209
ACh antagonist, 68C, 49
Achatina fulica, 70B, 469
Acheta domesticus, 69B, 133; 70A, 571
Acid-base balance, 68A, 555; 69A, 333
Acid deoxyribonuclease, 69C, 39
Acidic glycosidases, 69B, 279
Acid phosphatase, 68A, 681; 68B, 437; 69E, 279; 69C, 39
Acid phosphodiesterase, 69C, 39
Acidosis, 68A, 511; 70A, 371
Acid prot-inase, 70B, 791
Acomys cahirinus, 68A, 349
Acraea, 68B, 575
Acrosin, 69B, 323
Actiniaria, 70B, 153
Actinomycin D, 69A, 557
Activity metabolism, 69A, 605
Acylglycerols, 70B, 401
Adaptation, 69A, 395
Adenine nucleotide, 68B, 193; 69C, 1
Adenine nucleotide translocase, 68C, 9
Adenosine, 69B, 547; 70B, 279, 799
Adenosine deaminase, 70B, 199
Adenosine 3, 5,-monophosphate, 69B, 693
Adenosine triphosphate, 69B, 803; 70B, 77
Adenylate cyclase (see cAMP) 68C, 109; 70B, 57
Adenylic acid aminohydrolase, 68B, 369
ADH, 69A, 129
Adrenal cortex, 70A, 161
Adrenaline, 69C, 157; 70C, 185
Adrenaline receptor, 70C, 1
Adrenergic, 70C, 293
Adrenergic responses, 70C, 109
 β_2 -adrenoceptor, 70C, 1
Adrenoceptors, 70C, 1
Aerial respiration, 68A, 507
Aerobic metabolism, 70B, 35
Affinity chromatography, 69C, 375
Agalychnis dacnicolor, 70B, 779, 783
Agama stellio, 68B, 359
Age, 68B, 467; 69A, 285
Age related changes, 70B, 753
Airflow, 68A, 1
Albumen gland, 70B, 45
Albumins, 68A, 67; 68B, 319, 397
Alcohol dehydrogenase, 69B, 133; 70B, 643
Aldosterone, 69A, 129
Aldrichina grahami, 69A, 405
Alimentary tract, 69A, 99
Alka-2,4-dienals, 68B, 593
Alkaline phosphatase, 68C, 69; 70B, 359
Alkalosis, 68A, 511
Alkylpyrazines, 70B, 317
Allantoin, 70B, 799
Allelic proteins, 68B, 505
Alligator, 69A, 1
Allolobophora calignosa, 68A, 669; 70B, 157
Alloxan diabetes, 70B, 725
Allozymes, 69B, 393

Alveolar wash, 69B, 9
Ambystoma tigrinum, 70A, 65
Amebas, 69B, 487
Ameiurus nebulosus, 70A, 443
Ameiva ameiva, 69A, 259; 70B, 313
Ameiva bifrontata, 69A, 259
Amines, 69C, 53
Amino acids, 68A, 261, 531, 589; 68C, 43, 85; 69A, 423, 443; 69B, 5; 69C, 171; 70A, 309; 70B, 173
Amino acid composition, 70B, 487
Amino acid metabolism, 69B, 265; 70B, 427
Amino acid requirements, 69A, 173
Amino acid synthesis, 68B, 183
Amino acid transamination, 68B, 119
 α -amino-iso-butyric acid, 68A, 663; 69A, 603
Aminopeptidases, 69B, 55, 189
Aminophospholipid, 69B, 599
Aminotransferase, 68B, 527; 70B, 829
Ammonia, 68A, 265, 307, 589; 70A, 211, 603
Ammonia production, 68A, 511; 70B, 499
Ammonium excretion, 70B, 409
Ammophila, 70B, 317
Ammospermophilus leucurus, 70B, 601
AMP (also see cAMP), 68A, 43
AMP-deaminase, 69B, 5, 413; 70B, 821
Amphibians, 70B, 305
Amphibola crenata, 69A, 587
Amphioxus, 70B, 341
Amphisbaena alba, 68A, 159
Amphiuma means, 69A, 141
Ampullaria canaliculata, 68A, 285
Anaerobic contribution, 69A, 693
Anaerobic metabolism, 69B, 715
Anaesthesia, 69B, 655
Anaesthetic agents, 70C, 241
Anas platyrhynchos, 68C, 103; 70C, 77
Anesthetics, 68C, 9
Anesthetized toads, 70C, 123
Angiotensin II, 70C, 131
Anguilla anguilla L. 68C, 247; 69A, 225, 709; 70C, 135
Anguilla australis schmidii, 70C, 85
Anguilla dieffenbachii, 70C, 85
Anguilla japonica, 68B, 113
Anguilla rostrata, 70A, 587
Anguina tritici, 68A, 249
Anguispira alternata, 69A, 493
Anhydrobiosis, 70B, 579, 669
Anionic trypsin-like enzymes, 70B, 527
Annelid, 68A, 625; 70B, 719
Anodonta cygnea L. 69C, 407
Anodonta couperiana, 68B, 119
Anolis, 68A, 67
Anolis carolinensis, 69A, 23, 575; 70A, 33
Anoxia, 68C, 1; 70B, 271
Anser caerulescens caerulscens, 68A, 653
Antarctic fish, 69B, 79
Anthanomous grandis, 69C, 53
Antioxidant, 70B, 381
Antithyroid compounds, 69C, 307
 A_1 -anti-trypsin, 68B, 307
Anuran larvae, 70A, 497
Aorta, 68C, 9
Aotus trivirgatus, 70A, 341
Apis mellifera, 70B, 607
Apolipovitellins, 70B, 487
Aphanus dispar, 68C, 69, 199
Apical glycocalyx, 70A, 107
Apis mellifica, 69A, 79
Aplysia, 68A, 225
Aplysia californica, 70C, 273
Aplysia ganglia, 69C, 383
Aplysia gastrointestinal tract motility, 68C, 133
Aplysia neurons, 68A, 579
Apolipoproteins, 68B, 125
Aptenodytes forsteri, 70A, 191
Arenicola marina, 68B, 41
Arginine catabolism, 70B, 639
Arginine vasotocin, 70A, 115
Argiope aurantia, 69A, 759
Arion ater, 68A, 37

Aristaeomorpha foliacea, 69B, 559, 819
 Aromatic amino acid, 69B, 791
 Arsenic, 70C, 269
Artemia salina, 70B, 487
 Arthropods, 70A, 579
Arylamidases, 68B, 485
Ascaris suum, 69B, 693
 Ascorbic acid, 68A, 451; 70A, 451, 545
 Aspartate aminotransferases, 69B, 737, 747, 753, 761
Astacus astacus, 68B, 603
Asterina, 70B, 739
 Astigmatid mites, 70B, 615
Astyanax (Astyanax) fasciatus fasciatus, 70C, 265
 ATP, 69B, 505
 ATPase, 68C, 167; 68B, 113; 69B, 195, 377, 577; 69C, 399; 70A, 315
 ATPase inhibitor, 69B, 371
 ATP levels, 68A, 519
Attagenus megatoma, 69B, 189
Atta laevigata, 68A, 241; 69B, 901
Atta sexdensrubropilosa, 68A, 241
 Audition, 69A, 537
 "August Krogh Principle", 70B, 385
 Autonomic variations, 70C, 123
 Autoregulation, 70A, 79
 Avian heart, 70A, 173
 Avidin, 68A, 323

Babesia hylomysci, 70B, 133
 Baboons, 69C, 165
Bacillus cereus, 70B, 535
Bacillus thuringiensis, 70B, 535
Balanus balanoides, 69A, 389
Balanus eburneus, 68C, 55
Barbus meridionalis, 70B, 289
 Basement membranes, 68B, 31
Basidiobolus haptosporosus, 70B, 359
 Bats, 68A, 383
 Bedouin goats, 70A, 145
 Bees, 69C, 161
 Beetles, 68A, 231

 Behavioral alarm stimuli, 70A, 23
 Behavioral responses, 68A, 111
 Belding's Savannah sparrows, 69A, 783
 Benzo[a]pyrene, 68C, 55
 Benzole, 69C, 259
 Benzoyl peroxide, 70C, 35
 Bile salt, 69B, 243
 Biliary secretion, 69A, 341
 Bilverdin, 70A, 587
 Bioenergetics, 69A, 783
 Biogenic amines, 68C, 205
 Biogenic amino metabolism, 69C, 227
 Biomass, 68A, 285
Biomphalaria glabrata, 69C, 227
 Birds, 68C, 127
 Bitter solutions, 69A, 395
Blaberus discoidalis, 69C, 313
 Black bear, 69A, 121
 Blankophor, 68C, 161
 Blood-brain barrier, 68C, 247
 Blood cells, 69A, 437
 Blood chemistry, 69A, 517
 Blood clotting, 68A, 341
 Blood coagulation mechanism, 69A, 739
 Blood meals, 68B, 425
 Blood metabolites, 70B, 661
 Blood pressure, 70C, 249
 Blood pressure regulation, 70C, 117
 Blood serum, 70A, 127
 Blood volume, 69A, 767
 Body composition, 69A, 363
 Body mass, 69A, 621
 Body O₂ stores, 70A, 365
 Body temperature, 69A, 689
 Body wall strips, 69C, 171
 Body water, 70A, 45
 Body weight, 69A, 357
 Body size, 69A, 611; 70A, 235, 497, 603
 Body temperature, 70A, 537
 Bohr effect, 69A, 225
 Boll weevil, 68A, 527
Bombyx mori, 69A, 133
 Bone pathology, 69A, 675

- Bos indicus, 70B, 457
- Bos taurus, 68B, 445; 69B, 511
- Bothrops jararaca, 69A, 739
- Brachydanio nigrofasciatus, 70B, 643
- Brachydanio rerio, 69C, 83
- Bradycardia, 70A, 529
- Brain, 68B, 599
- Brain extracts, 68C, 175
- Brain hormone, 70B, 493
- Brain lipids, 68B, 363
- Brain membranes, 70B, 57
- Brain slices, 70A, 371
- Branchiostoma lanceolatum, 70B, 341
- Brindled mice, 70C, 255
- Brown fat, 68B, 209; 70B, 193, 601, 679
- Bubo virginianus, 68A, 167
- Bufo bufo, 68A, 515; 69A, 705
- Bufo marinus, 69A, 693
- Bullia digitalis, 69A, 599
- Bunodosoma, 68B, 221
- Bunodosoma granulifera, 68B, 25
- Buoyancy, 68A, 337
- Burrows, 69A, 373
- Buthus quinquestriatus, 69B, 873
-
- cAMP, 68C, 21; 69A, 305; 69B, 61; 69C, 13, 105, 153; 70A, 639; 70C, 171
- Ca-ATPase, 68C, 15
- Cadmium, 68A, 37; 68C, 91; 69C, 83
- Caffeine, 69C, 191
- Calamoichthys calabaricus, 68A, 507
- Calcification, 70A, 285
- Calcitonin, 68A, 417, 647
- Calcium, 68A, 181; 69C, 345
- Calcium activated transamidase, 69B, 889
- Calcium Binding, 68A, 625; 69C, 149
- Calcium content, 70A, 583
- Calcium-dependent potassium conductance, 68A, 487; 69C, 113
- Calcium fluxes, 68A, 625; 70A, 65; 70C, 229
- Calcium phosphate granules, 68A, 423
- Calcium transport, 70B, 85
-
- Calcium uptake, 70A, 97
- Callinectes sapidus, 68A, 451
- Calmodulin, 69B, 61
- Caloric composition, 70A, 607
- Camelus dromedarius, 68B, 155, 445, 551; 69A, 429
- Cancerous tissues, 70B, 819
- Capra hircus, 69A, 713
- Cardiac growth, 70A, 217
- Capra ibex, 69A, 713
- Carassius auratus, 68A, 659; 68B, 151, 407; 68C, 161; 69B, 249, 413; 70A, 431; 70B, 499; 70C, 109
- Carassius carassius, 70A, 451; 70C, 281
- Carbohydrase, 69B, 905
- Carbohydrate modification, 69B, 681
- Carbohydrate transport, 68A, 131
- Carbon, 70A, 285
- Carbon dioxide, 68A, 289, 673; 69A, 805
- Carbonic anhydrase, 69A, 381; 70A, 173, 431
- Carboxypeptidase B, 69B, 639
- Carcinonemertes errans, 69A, 423
- Carcinus maenas, 68A, 555; 69A, 381, 571; 69B, 731; 69C, 399; 70A, 457
- Cardiac responses, 68A, 515
- Cardiorenal system, 69A, 85
- Cardio-respiratory synchrony, 70A, 329
- Cardiotoxins, 69B, 345
- Cardium edule, 69B, 715; 70B, 271
- Carnitine, 68B, 431
- Carotenoids, 68A, 25; 68B, 221, 345; 69B, 91, 611, 885; 70B, 571
- Carotenoid pigments, 69B, 559
- Carotenols, 69B, 625
- Carotenoprotein, 68B, 89, 339; 70B, 665
- Carp, 70C, 261
- Ca^{2+} -stimulated ATPase, 70B, 559
- Catalase, 68B, 357; 69B, 893; 70B, 819
- Catecholamine, 70C, 85, 117, 131, 135, 249
- Cathepsin D, 68B, 215
- Cations, 70A, 27
- "Cation" gap, 70A, 359
- Catostomus commersoni, 68A, 127

Cats, 68A, 355
Cecectomy, 70B, 345
Cell division, 68A, 43
Cellulolytic activity, 70B, 521
Central nervous system, 68C, 43; 70B, 415
Cephalopoda, 70B, 623
Cephalopods, 68B, 415, 535
Ceratitis capitata, 68B, 313; 68C, 109; 69B, 55; 70B, 53, 57, 257, 401
cGMP, 70C, 171
Chaetopterus variopedatus, 68C, 187
Cheirogaleus medius, 68A, 605
Chelae ablation, 70A, 447
Chemokinetic effects, 69C, 275
Chick embryo, 69A, 333; 69B, 157
Chickens, 68A, 87, 265; 68B, 19, 599; 69A, 411; 69B, 479; 69C, 331; 70A, 107, 223, 591, 611, 619
Chick liver, 69C, 1
Chick kidney, 70B, 219
Chiroptera, 70A, 387
Chitin, 69B, 283; 70B, 173
Chitinprotein, 68B, 535
Chloride, 68A, 677; 70A, 47, 157
Chlorocruorin, 69A, 487
Cholecystokinin, 70A, 179
Cholesterol, 68A, 391; 69B, 243, 493
Choline acetyltransferase, 69C, 141, 403
Cholinergic agents, 69C, 171; 70C, 293
Cholinergic responses, 70C, 109
Cholinesterase, 70C, 289
Chordotonal organ, 68A, 99, 531
Chorioallantoic membrane, 70A, 173
Chromatin, 68B, 49
Chromatophorotropin, 68A, 597
Chromium, 68C, 161
Chrysaora quinquecirrha, 69B, 529; 70B, 649
Chrysemys scripta, 70A, 141
Chrysophrys, 69A, 461
Chrysophrys major, 69A, 237
Chymosin, 68A, 9
Chymotrypsin, 69B, 639, 647
Cibaron blue F3GA, 68B, 107
Circadian organization, 68A, 127, 477
Circadian phase, 69A, 611
Circadian rhythmicity, 70C, 135
Circannual rhythms, 69A, 621
Cirriformia, 69B, 273
Cirriformia tentaculata, 69A, 321
Citellus lateralis, 68B, 203, 209
Citellus tridecemlineatus, 68B, 431; 69A, 479
Clam, 70B, 199
Climatic stresses, 70A, 13
Cloacal catheter, 70A, 653
Clophen A50, 68C, 239; 70C, 297
Clotting time, 69A, 637
Cnemidophorus sexlineatus, 70A, 33
Cockroach, 68C, 15; 69A, 165; 70A, 205, 229, 351
Cold-acclimated, 69B, 237
Cold acclimated rat, 70B, 679
Cold-hardiness, 70A, 579
Cold stress, 70A, 321
Colipases, 68A, 15
Colius castanotus, 69A, 689
Collagenase, 70B, 635
Collagenolytic type enzyme, 68A, 669
Colon, 70B, 209
Colonic electrolyte flux, 69A, 543
Color changes, 68C, 205
Comparative biochemistry, 70B, 1
Consumption, 69A, 621
Contamination, 68A, 527
Contractility, 70A, 479
Convulsants, 70C, 91
Cooling, 68A, 399; 69A, 23
Copper concentration, 68C, 63; 70B, 93; 70C, 139
Copper metabolism, 70C, 255
Coregonus albula, 68C, 121
Corpus cardiacum, 68A, 25
Corticosteroids, 68A, 115
Corticosterone, 68C, 103
Corticotrophin, 70A, 257
Cortisol, 70B, 451

Coturnix coturnix japonica, 69B, 265, 307; Deer mice, 69A, 267; 70A, 23
 70A, 247, 649
 Cows, 68A, 281
 Crabs, 70B, 415
Crassostrea virginica, 68B, 177; 69B, 175
 Crayfish, 68A, 299; 69A, 197, 637; 70A, 165, 251, 351, 393
 Crayfish axons, 69C, 235
 Crayfish motoneurons, 69A, 631
 Crayfish neuromuscular junction, 70C, 49
 Crayfish tail muscle, 70A, 421
 C-reactive protein, 69C, 325
 Cricket, 70C, 159
 Crocodilians, 68A, 107; 69B, 499
Crocodylus niloticus, 69A, 51
 Crop, 70A, 73
 Crustacean, 68A, 91
 Crustacyanines, 70B, 665
 S-crystallin, 69B, 593
 CSF, 68B, 307
Ctenopharyngodon idella, 69B, 885
Culex pipiens, 69B, 23
Culex tarsalis, 69C, 117
 Cutaneous respiration 70A, 541
 Cuticle water activity, 68A, 231
 Cuticular lipids, 70B, 441
 Cyanogenetic basis, 69B, 903
 Cyanoglucosides, 68B, 575
 Cyclic nucleotide, 69B, 701
 Cycloheximide, 69A, 557
 Cyclostomes, 68A, 149
Cyprinus carpio, 68B, 437; 69B, 639, 647; 69C, 219; 70A, 443, 70B, 147, 375
 Cytochrome c oxidase, 68B, 445
 Cytochrome P450, 69C, 219
 Cytotoxic neuropharmacology, 69C, 359

Daphnia magna, 69A, 679; 69C, 83
Dasyurus novemcinctus, 69A, 517
 DDT, 69C, 109, 165, 399
 DDT-resistance, 68C, 15
 Decis 2-5, 70C, 265
 Decompression, 69A, 563

 Defensive secretions, 69B, 903
 Dehydrogenase, 70B, 141
 Demospongiae, 68B, 481
 Denervation, 69C, 141; 70A, 583
 Dental pulp, 70C, 35
 Deoxyadenosine, 69B, 547; 70B, 279
 Depression of O₂, 70A, 365
 Desialosylation, 69A, 59
 Desiccation, 68A, 249
 Detoxication, 68A, 589
 Deuterium oxide, 69A, 631
 Development, 69B, 157
 DFP, 69C, 395
 Diacylglycerol, 70B, 387
 Diapause, 68B, 95; 70A, 555; 70B, 759
Diatraea grandiosella, 70A, 555; 70B, 759
 Dieldrin, 69C, 313
 Dietary fats, 68A, 361
 Dietary water, 69A, 511
 Differentiation, 68B, 173
 Digestibility, 70A, 619
 Digestion, 69A, 99
 Digestive enzyme, 70A, 443
 Digestive turnover, 70A, 235
 5,6-dihydroxytryptamine, 69C, 407
 Dinoflagellate sterols, 69B, 535
 Dipeptide uptake, 69A, 311
 Diploid-tetraploid complex, 68A, 175
 Dipteran chemoreceptors, 70A, 469
Disoglossus pictus pictus, 70B, 331
 Distension-sensitive receptors, 70A, 73
Ditylenchus dipsaci, 68A, 249
Ditylenchus myceliophagus, 68A, 249
 Diurnally-cycling temperatures, 70A, 431
 Diurnal peaks, 70A, 157
 Diurnal rhythm, 68A, 659
 Diving, 70A, 359, 365, 371
 DNA, 69B, 687, 901; 70A, 217
 2,4-DNP, 69C, 235
 Dog, 70B, 435
 Dogfish, 70C, 131
 Dolphin eye movements, 68A, 443

1-DOPA, 70C, 117, 249
 Dopa oxidase, 68B, 57
 Dopamine, 68C, 205
Doriopsilla albopunctata, 68C, 49
Drosophila heads, 69B, 61
Drosophila melanogaster, 68A, 523; 69C, 387
Dugesia lugubris, 69B, 869
 Dual innervation, 69C, 25

 Earthworm coelomic fluid, 69B, 829
 Earthworm tropomyosin, 69B, 35
 Ecdysone, 68A, 91
 Ecdysteroid, 70A, 239
 Ecdysterone, 69A, 197
 ECG, 70A, 103
 Echinone, 68B, 89
 Echinoderms, 68B, 361
 Echiuroid, 69C, 171
 Ectotherm vertebrate, 69A, 665
 Egg, 68A, 399
 Egg white riboflavin-binding protein, 69B, 681
 EGTA, 68A, 87
Eisenia foetida, 68B, 275; 69B, 829
 Elasmobranchs, 68B, 363
 Elastase, 69B, 639, 647
 Elastin, 68B, 473
 Electrical stimulation, 69A, 479
 Electroantennogram, 70A, 229
 Electrolyte concentration, 69A, 161; 70B, 415
 Electrophoretic data, 70B, 393
 Electroretinographic, 68A, 477
 Electrotonic coupling, 68A, 199
 Elk, 68C, 145
 Embryonic development, 70A, 509
 Embryos, 70C, 129
Emerita brasiliensis, 70A, 627
Emerita talpida, 69A, 125
 Enantiomers, 69C, 375
 Endocrine, 68A, 149
 Endothermy, 68A, 167

 Energetic advantages, 70A, 537
 Energy flux, 69A, 705
 Energy metabolism, 70A, 247
Enhydra lutris, 70A, 375
Entamoeba histolytica, 68B, 71
 Enterohepatic circulation, 69A, 341
 Enzymes, 70A, 107
 Enzyme inhibitors, 70B, 499
 Epidermal, 69B, 701
 Epidermis, 69C, 39
 Epinephrine (see adrenaline)
 Epithelium, 68A, 225, 511
 Epoxide hydrase, 69B, 29
Equis cabalus, 70B, 279
Eriocheir japonicus, 70B, 527
Erpobdella octoculata, 70C, 201
 Erythrocrucorin, 70A, 111
 Erythrocytes, 68B, 357; 69A, 357; 69B, 505, 523, 547, 599, 889; 69C, 45; 70A, 83, 335; 70B, 767
 Erythrocyte membrane, 68A, 273
 Erythrocytic phosphates, 70A, 9
 Erythropoiesis, 69B, 303
 Escape behavior, 70A, 57
 ESR, 70B, 611
 Esterases, 68C, 255; 70B, 289, 607
 Estivating earthworm, 68A, 669
 Estradiol-17 β , 70A, 97
 Ethanol, 70C, 159
 $[^3\text{H}]$ ethylene dibromide, 69C, 121
 Eucine, 69A, 443
Euhadra hickonis, 69C, 113
Eurycea multiplicata griseogaster, 69A, 505
 Evaporate water loss, 69A, 51; 70A, 243
 Evolution, 69B, 1
 Evolution in reptiles, 69B, 687
 Excreta analysis, 70A, 205
 Exercise, 69A, 449
 Exocytosis, 70A, 261
 Extrahepatic xenobiotic metabolism, 69C, 259
 Extraocular photoreception, 69A, 145
 Eyespots, 70A, 447
 Eyespot ablation, 69A, 523, 571

- **Eyestalk extracts**, 69A, 197
- **Factor XII**, 68A, 355
- **Fascioliasis**, 70A, 547
- **Fasted rats**, 69B, 665
- **Fasting**, 68A, 313; 69A, 689; 69B, 655; 70A, 13
- **Fat body**, 68B, 425, 457; 69A, 325
- **Fat diets**, 68A, 281
- **Fatty acid**, 68A, 19, 361; 69B, 99, 107; 70B, 401
- **Fatty acid binding proteins**, 68B, 83
- **Fatty acid composition**, 69B, 625; 70B, 457, 795
- **Fatty acid desaturase**, 70B, 53
- **Fatty acid synthesis**, 68B, 551; 70B, 515
- **Fear**, 70A, 529, 533
- **Fear bradycardia**, 69C, 367
- **Feeding**, 69A, 511; 70A, 469
- ***Felis domestica***, 69B, 257
- **Ferritin synthesis**, 69B, 287
- **Fibronogenases**, 70B, 349
- **Fiddler crabs**, 70B, 393
- **Fish**, 69B, 463; 70C, 97, 109
- **Fish roe**, 69B, 725
- **Flight**, 68A, 571
- **Fluid transfer**, 70A, 439
- **Fluorescence spectra**, 69B, 157
- **FMRFamide**, 70C, 103
- **Folic acid**, 68C, 213
- **Food intake**, 68A, 635
- **Formyltetrahydrofolate synthetases**, 68B, 585
- **Fowl (also see chicken)** 69A, 449; 70A, 179, 257
- **Free fatty acids**, 68B, 599
- **Free amino acids**, 68A, 187; 70A, 17, 485, 631
- **Frogs**, 68A, 181; 69B, 5
- **Frog liver**, 69C, 179
- **Frog skeletal muscle**, 69B, 517
- **Frog skin**, 69A, 157
- **Fructose**, 69B, 471; 70A, 387
- **FSH**, 68A, 563
- **α -L-fucosidase**, 68B, 509
- ***Fundulus grandis***, 68B, 193
- ***Fundulus heteroclitus***, 70A, 157
- **Furazolidone-induced cardiomyopathy**, 69C, 149
- **GABA**, 68C, 187; 69C, 7; 70C, 91
- ***Gadus morhua***, 68B, 173, 333; 69B, 127; 69C, 141, 403; 70A, 545; 70C, 249
- ***Gadus morhua macrocephalus***, 68B, 173
- **Galactan**, 70B, 469
- **α -D-galactosidase**, 68B, 141
- ***Gallus domesticus* (see also chicken)** 68A, 61, 399, 647; 68B, 445; 69A, 305; 69B, 265; 69C, 307, 353; 70A, 73
- **β -D-galactosidase**, 69B, 851
- **Galvanotoxic response**, 69C, 281
- ***Gambusia affinis***, 69C, 109
- ***Gammarus lacustris***, 70B, 665
- **Gangliosides**, 68B, 245, 301; 70B, 565
- **Gas exchange**, 69A, 809
- **Gastricsinogens**, 68B, 251
- **Gastrointestinal motility**, 70A, 179
- **GDP-mannose**, 69B, 231
- **Gelatin**, 70B, 649
- **Genetic differentiation**, 69B, 629
- ***Geotria australis***, 69A, 815
- **Gerbil**, 69B, 201
- **Germinal vesicle breakdown**, 69A, 557
- **Giant axons**, 68A, 299
- **Giant interneuron**, 68A, 49; 70C, 159
- **Gills**, 68C, 151; 70A, 133; 70C, 59
- **Gill tissue**, 70B, 271
- **Globin composition**, 70B, 421
- **Glomerular filtration rate**, 68A, 405
- ***Glossina morsitans***, 69A, 133, 325
- **Glucocorticoid**, 69B, 425; 70A, 649
- **Glucocorticoid sulfotransferases**, 69B, 511
- **Glucokinase**, 68B, 547
- **Gluconeogenesis**, 68B, 547; 69B, 775
- **Glucose**, 68A, 253; 69B, 471, 479, 837; 70A, 439; 70B, 689

Glucose induced hyperglycemia, 69A, 529
 Glucose kinetics, 68B, 555; 70A, 223
 Glucose metabolism, 68B, 467; 69B, 299; 70A, 191; 70C, 13
 Glucose-6-phosphatase, 70B, 323
 Glucose phosphorylating isoenzymes, 70B, 225
 Glucose tolerance, 69A, 205
 Glucose turnover, 69B, 69
 Glucose-6-phosphate dehydrogenase, 68B, 599; 69B, 147, 237
 α -glucosidase, 70B, 319
 β -glucuronidase, 68B, 1
 Glutamate dehydrogenase, 68B, 407; 70B, 409, 463
 Glutamine, 68A, 265; 69C, 145
 Glutamate transaminases, 69B, 137
 γ -glutamyltranspeptidase, 68B, 361; 70A, 255
 Glutathione, 69C, 337
 Glutathione peroxidase, 69B, 893
 Glutathione-S-transferase, 68B, 237, 491; 579; 69C, 243; 70C, 285
Glycera dibranchiata, 70B, 169
 Glycerate-2,3-P₂-I, 70B, 237, 477
 α -Glycerophosphate dehydrogenase, 69B, 23
 Glycerinated stalks, 70A, 479
 Glycerol, 70B, 401, 401, 579
 Glycerolipids, 68B, 259
 Glycerol kinase activity, 69A, 567
 Glycerol-3-phosphate, 68B, 289
 Glyceryl ether, 68B, 267
 Glycine, 69A, 455
 Glyconjugates, 69B, 445
 Glycogen, 68A, 313; 68B, 159; 69B, 655, 665; 69C, 1; 70A, 555, 615; 70B, 179
 Glycogenesis, 68B, 547
 Glycogenolysis, 69B, 693, 775
 Glycogen phosphorylase, 68B, 333; 70B, 587
 Glycolysis, 68B, 547
 Glycoprotein, 69B, 15; 69C, 39

Glycoprotein radiolabelling probes, 70B, 767
 Glycyl-glycine, 69A, 455
 Glyoxylate cycle, 70B, 1
Glyptonotus antarcticus, 70A, 91
 Goat brain, 70B, 565
 Golden hamsters, 70B, 627
 Goldfish, 69B, 577; 70A, 69
 Gonad, 70A, 607
 Gonadal cAMP-content, 70A, 53
 Gonad weight, 69A, 701
 Gonadal development, 69A, 523
Gonyaulax monilata, 69B, 535
 Grant's gazelles, 70A, 87
 Growth, 68A, 549; 69A, 161, 175, 437
 Guanylate cyclase, 68B, 567
 Guanyl nucleotide, 69C, 387
 Guinea-pig, 69B, 655, 665; 70A, 265, 321, 427
 Gustatory neural responses, 69A, 395
 Gut composition, 69A, 543

5HT, 68C, 205, 247; 69C, 407; 70C, 229
 Hageman, 68A, 355
 Hair organs, 68A, 217
Halichondria panicea, 70B, 141
 Hamsters, 69A, 153; 69B, 243
Hansenula anomiae, 69A, 583
 Harderian glands, 69A, 153; 70B, 627
 HCO_3^- , 68A, 511
 HCO_3^- stimulated, 70A, 315
 Heat exchange, 70A, 141
 Heating, 69A, 23
 Heart, 68C, 9; 70C, 85, 109
 Heat stress, 70A, 199, 599
 Heavy metals, 69C, 391
Helice crassa, 70A, 551
Heliconius, 68B, 575
Heliothis virescens F, 68A, 523; 68B, 259
Heliothis zea, 68A, 103; 70B, 179
Helix aspersa, 70A, 559; 70C, 103
Helix pomatia, 68A, 467, 611; 68C, 21; 69A, 85; 69B, 455
 Helminth, 69B, 553

Hematocrit, 70A, 157, 611
 Hematology, 68A, 355
Hemilepistus aphganicus, 70A, 405
Hemilepistus reaumuri, 70A, 405
 Hemimastectomy, 70A, 427
 Hemocyanin, 68B, 163, 603; 69B, 455, 731, 781, 877; 69C, 253; 70A, 91; 70B, 657, 815
 Hemocyanin multigene, 69B, 897
 Hemoglobin, 68A, 359, 519; 68B, 275; 69A, 225, 679, 709; 69B, 273, 463; 69C, 99, 337; 70A, 381; 70B, 165, 185, 353, 549
 Hemoglobin fingerprint, 68B, 497
 Hemolymph, 68A, 75, 677; 69A, 243, 637; 69B, 873; 70A, 47, 119, 447, 519, 525
 Hemolymph protein, 70A, 485
 Hen (see chicken, Gallus), 69A, 345; 69B, 5
 Hepatic aldehyde dehydrogenase, 69C, 199
 Hepatic biotransformation, 70C, 149
 Hepatic microsomal drug-metabolizing enzyme, 69C, 165
 Hepatic microsomal enzymes, 68C, 127
 Hepatic mixed-function oxidase, 70C, 77
 Hepatic mixed function oxidase system, 70C, 297
 Hepatocytes, 69B, 257, 425, 775; 70B, 499, 631
 Hepatopancreas, 68A, 423; 69B, 851, 873
Heterocarpus dorsalis, 69B, 559, 819
 Heterothermic, 68A, 383
 Hexokinase, 68B, 547; 70F, 225, 587, 745; 70C, 261
 Hibernation, 69A, 121, 479; 69B, 169; 70A, 435
 Hibernating rodents, 68C, 175
 Hibernator, 70B, 263
 High pressure convulsions, 69A, 665
Hirudo medicinalis, 70C, 209
 Histamine, 68C, 231
 Histamine methyltransferase, 68C, 231
 Histaminergic synapses, 69C, 383
 Histidine, 68C, 231
 Histidine decarboxylase, 68C, 231; 69C, 383
Holothuria glaberrima, 68A, 373; 70A, 27
 Holothurian, 69C, 169
 Holothurian dermis, 70C, 41
Homarus americanus, 68A, 217; 68B, 163; 69A, 317; 69B, 781
 Homoiothermic, 68A, 383
 Honeybee, 68B, 351
 Honeye, 69C, 161
 Horses, 68B, 225, 505; 70A, 83
 Horse liver, 69B, 909
 Houseflies, 69B, 361
 Humans, 70A, 309
 Human lymphoid cells, 70B, 595
 Human tissues, 70C, 285
 Hydrogen, 70B, 199
 Hydrogen shuttle, 69B, 1
 Hydrogen sulfide, 69B, 809
 Hydrostatic pressures, 68A, 501
 25-Hydroxycholecalciferol, 68B, 401
 6-Hydroxydopamine, 69C, 141
 17 β -Hydroxysteroid dehydrogenase, 70B, 807
 25-Hydroxyvitamin D, 69B, 183
 19-Hydroxylated prostaglandins, 70B, 619
Hylobates lar, 70A, 45
Hymenolepis diminuta, 70B, 697
 Hymenoptera, 69A, 173
 Hypercalcaemia, 68A, 647
 Hyperglycaemia, 69C, 371
 Hyperlactacidemia, 69C, 371
 Hyperlipaemic hormone, 68A, 25
 Hyperlipidemia, 68A, 19
 Hyperosmotic stress, 70A, 485
 Hypocalcemic factor, 68A, 95
 Hypochlorous acid, 69C, 133
 Hypophysectomy, 70B, 787
 Hypoosmotic stress, 69A, 641
 Hypothalamic noradrenaline, 69C, 213
 Hypothalamic serotonergic system, 70A, 69
 Hypothalamic sites, 69A, 479
 Hypothermia, 68A, 211
 Hypoxia, 68A, 519; 69A, 321; 70A, 133, 321;

70B, 427

Ictalurus melas, 68A, 313

Idothea wasnesenskii, 69A, 777

Immune response, 68A, 67; 68B, 397; 70B, 811

Immunological relationships, 70B, 387

Immunoreactive glucagon contents, 69A, 31

Immunoreactive insulin content, 69A, 717

Incubation temperature, 70B, 515

Indole, 69C, 359

Induction of enzymes, 69B, 147

Inflammation, 68A, 323

Inflammatory agents, 69C, 325

Insect heart, 70C, 185

Insulin, 69B, 479

Insulin-like molecule, 69A, 79

Integument, 68B, 517; 69A, 381; 70A, 65

Intermolt cycle, 69A, 381

Intestinal absorption, 69A, 231, 455

Intestinal brush border, 69B, 15

Intestinal epithelium, 69B, 299

Intestinal potentials, 69A, 15

Intoxication, 69C, 337

Intracellular redox, 69B, 775

Intramuscular cation injections, 69A, 411

Intraspecific confrontation, 69A, 267

Ionic balance, 70A, 457

Ionophore populations, 69C, 61

Iron, 68A, 423

Iron induction, 69B, 287

3-Isobutyl-1-methylxanthine, 69C, 13

Isoenzymes, 70B, 295

Isolated brain, 70A, 293

Isolated hearts, 70A, 491

Isopycnic centrifugation, 69B, 279

Lysosomes, 68B, 141

Isozyme patterns, 70B, 367

Jejunum, 69A, 305

K^+ excretion, 69A, 157

Kestrels, 68A, 111

Kidneys, 68B, 401, 485; 69B, 311; 70C, 255

Kidney regeneration, 68C, 213

Kinase, 69B, 701

Kingfisher, 69A, 149

Kinin-like factor, 68C, 235

Lacrimal gland, 69A, 137

Lactation, 70A, 145

Lactate, 70A, 359, 371

D(-)lactic acid, 69B, 85

Lactate dehydrogenase, 68B, 65; 68C, 1; 69B, 201, 715, 881; 70B, 289, 331

L-canavanine, 70B, 639

Larus argentatus, 68C, 91

Lead, 69C, 205

Lecithin:cholesterol acyltransfer, 70B, 305

Lecithin:cholesterol acyltransferase, 69B, 633

Lectins, 70B, 69

Leech, 70A, 37

Leioploisma zelandica, 70A, 623

Leiostomus xanthurus, 69A, 467

Leishmania donovani, 68C, 95; 69A, 65

Leishmania mexicana amazonensis, 68C, 95

Lens membrane, 68B, 101

Leonecis culveri, 70A, 631

LH, 68A, 563

Lichmera indistincta, 68A, 635

Life cycle, 69A, 815

Life span, 69A, 357

Light-dark, 70A, 265

Limulus, 69C, 7, 301; 70C, 177

Limulus neurons, 70C, 91

Linamarin, 68B, 575

13-Lined ground squirrels, 69B, 523

Linoleic acid, 70A, 571

Lipase, 68B, 325

Lipids, 68B, 111, 135, 425, 527; 69B, 9, 99, 107, 725, 819; 70A, 555; 70B, 179, 313, 679

Lipid biosynthesis, 69C, 31

Lipid composition, 68B, 351; 69B, 553, 599, 843; 70B, 779

Lipoproteins, 68B, 125; 69B, 291, 541; 70B,

387, 759

Lipoprotein lipase, 69B, 585

Lipoprotein metabolism, 70B, 753

Lithium, 69C, 353

Litoralon, 69C, 411

Littorina rufa, 70C, 139

Liver, 68A, 313; 68B, 203; 68C, 9, 115; 69B, 307, 311; 70B, 209; 70C, 255

Liver glycogen, 70B, 447

Liver transplantation, 70A, 309

Lizards, 70A, 33; 70B, 359

Lobsters, 70A, 239

Lobster axon plasma membranes, 69C, 185

Locust, 68C, 29; 70A, 351; 70B, 387

Locusta migratoria, 68A, 25; 69C, 411

Locust flight metabolism, 69B, 315

Locust flight muscle, 70B, 509

Loliguncula brevis, 69A, 641

Lota australis, 68B, 575

L-thyroxine, 69B, 307, 311

Lumbricidae, 69C, 243

Lumbricus terrestris, 68A, 681; 68C, 85

70A, 57

Luminescence, 68C, 187

Lung, 68B, 203; 69B, 9, 797; 69C, 19

Lung-air-sac system, 68A, 1; 69A, 449

Lutein, 70A, 619

Lymnaea stagnalis, 68A, 199; 69A, 789; 69B, 877; 70A, 293; 70B, 45

Lymphocyte, 69B, 287, 547; 70B, 279

Lysmata seticaudata, 70B, 571

Lysosomes, 69B, 851

Lysozyme, 70B, 615

Lytechinus variegatus, 70B, 653

Macaca fascicularis, 70A, 45

Macaca fuscata, 69A, 591

Macaca mulatta, 70B, 767

Macrobrachium ohione, 70A, 47

Macrobrachium rosenbergii, 70A, 47; 485

Macropus eugenii, 70B, 105

Magnesium, 69C, 345

Malaclemys terrapin, 68A, 55

Malate dehydrogenase, 69B, 201, 237; 70B, 289, 607

Malate metabolism, 69B, 859

Male/female ratio, 70A, 229

Malpighian tubules, 69A, 211

Mammary growth, 70A, 427

Mammuthus primigenius, 68B, 135

Man, 69A, 1; 70A, 309, 611

Manduca sexta, 68C, 1; 70B, 639

α -Mannosidase, 70B, 319

Mantid, 70A, 205

Marine sponges, 70B, 69

Marmots, 69A, 621, 627

Marphysa sanguinea, 70B, 165

Marsupial, 70B, 541, 619

Marsupium, 69A, 603

Mastication, 70A, 567

ME, 70B, 289

Meso-astaxanthin, 69B, 621

Mechanical responses, 69C, 171

Melanins, 70B, 611

Melanin-dispersing, 70C, 27

Melanophores, 70C, 27, 293

Melanoplus bivittatus, 70B, 441

Melanoplus dawsoni, 70B, 441

Melanoplus femur-rubrum, 70B, 441

Melatonin, 70A, 69, 435

Mellito quinqueporata, 70A, 607, 603

Membrane-bound lipids, 69B, 523

Membrane current, 68C, 35

Membrane current conductance, 69C, 61

Membrane potentials 69A, 137

Membrane-potential changes, 69C, 235

Membrane potentials of *Tetrahymena vorax*, 69C, 265

Membrane protein mobility, 70A, 261

Mercenaria mercenaria, 69B, 337; 69C, 13

Mercuric chloride, 68C, 151; 69C, 67, 253

Mercury, 68C, 69, 91, 195, 199

Mercury-binding proteins, 70C, 59

Meriones unguiculatus, 68A, 31; 68C, 181

Merluccius gavi, 68B, 251

Metallothionein, 70B, 93; 70C, 255

Metabolic capacity, 69A, 697
Metabolic inhibitors, 69A, 137
Metabolic rate, 69A, 1, 731
Metabolic responses, 70A, 623
Metabolism, 69A, 113, 177, 621, 689; 70A, 555
Metal binding, 70A, 559
3-Methylcholanthrene, 70C, 297
Methylmercuric chloride, 68C, 151; 69C, 67
4 α -methylsterols, 69B, 175
Mevalonate, 70B, 219
Mg²⁺-ATPases, 69B, 249
Mg²⁺-HCO₃⁻-ATPase, 70B, 703
Microcalorimetric measurements, 69A, 705
Microbodies, 69A, 405
Microclimate, 69A, 165
Microsomal mixed-function oxidase, 68C, 221; 70C, 97
Microsomes, 69B, 231; 70B, 53, 323
Microspheres, 69A, 417
Microtus arvalis Pall, 70A, 161
Milk, 68A, 281; 69A, 129; 70A, 375
Milk secretion, 70A, 13
Mirex, 69C, 345
Mitochondria, 68A, 625; 69A, 329; 69B, 377; 69C, 235
Mitochondrial ATPase, 69B, 361
Mitochondrial cytochromes, 69B, 769
Mitochondrial energy metabolism, 69B, 673
Mixed-function oxidase, 69B, 493
Mn²⁺ and Ca²⁺ ATPase, 69C, 185
Modiolus modiolus, 68C, 199
Moina macrocopa, 70A, 381
Molluscan smooth muscle, 70C, 171
Molluscs, 70B, 521
Molt, 69A, 523
Molt cycle, 69B, 701
Molting, 69A, 125
Molt interval, 68A, 549
Monoamines, 68C, 85; 70C, 215
Monoamine accumulations, 70C, 71
Monoamine oxidase, 68C, 145; 69C, 179, 227; 70C, 281
Monochloramine, 69C, 133, 337
Morone americana, 69A, 467
Morone saxatilis, 69A, 467
Motor activities, 70A, 265
Motor neurons, 70A, 165
Motor pool, 70A, 165
Mouse, 68A, 673; 69B, 201, 295, 493, 791; 70A, 9, 265, 615
Mouse L-cells, 70C, 223
Mouse strain, 69C, 199
Mouse tissues, 70B, 595
Mucus secretion, 69C, 67
Musca domestica, 69A, 211; 69B, 361, 371
Muscarinic receptor, 69C, 387
Muscimol, 69C, 7; 70C, 49
Muscle, 68A, 331; 69B, 5, 329; 70A, 341; 70B, 587
Muscle fibers, 69A, 249
Muscular dystrophy, 70B, 27
Mussel hearts, 70C, 229
Mya arenaria, 69B, 337
Myocardium, 69A, 649, 659
Myoglobin, 68A, 159; 70A, 217; 70B, 169, 353
Myoinositol, 68A, 249; 70B, 579
Myofibrillar proteins, 69B, 79
Myosin B, 70B, 435
Myotis lucifugus, 70A, 537
Mytilus edulis, 68A, 9; 68B, 141, 383; 68C, 63; 69A, 243, 311, 417; 69B, 147, 851; 69C, 25, 137; 70A, 119; 70B, 125, 689; 70C, 71, 139, 215
N-acetyl- β -D-hexosaminidase, 69B, 869
NADP-dependent isocitrate dehydrogenase, 68B, 383
Na⁺-K⁺-ATPase, 68B, 295; 68C, 29; 69A, 133; 69B, 249; 70A, 315; 70C, 35
Na⁺-dependent amino acid transport, 69A, 231
Na⁺ + K⁺-linked Mg²⁺ ATPase, 69C, 45

- β -N-acetylglucosaminidase, 68B, 71; 69B, 337
- Naja naja siamensis, 69B, 345
- Nalaxone, 69C, 105
- Naphthalene, 70C, 13
- β -Naphthoflavone, 69C, 219
- Natrix erythrogaster transversa, 70B, 811
- Neanthes succinea, 70A, 631
- Necturus maculosus, 70A, 65
- Nematocyst venom collagenase, 69B, 529
- Nematodes, 70B, 579
- Neomysis integer, 68B, 183
- Neotenic urodeles, 70A, 65
- Neuronal organisation, 69A, 789
- Neurons, 70A, 293
- Neurotoxic action, 69C, 313
- Neurotransmitter, 69C, 293
- Neuston, 70B, 381
- Nephridia, 68A, 391, 663; 69A, 349
- Nereidae, 70B, 493
- Nereis virens, 68B, 41; 68C, 43
- Neurointermediate lobes, 69C, 75
- Neuromuscular transmission, 68C, 75
- Neurosecretory endogenous oscillators, 68A, 199
- Newt, 70A, 115
- Nitrogen, 70A, 145
- Nitrogen excretion, 69A, 389; 69B, 499; 70A, 563
- Nitrogen metabolism, 68A, 119, 589; 68B, 407; 70B, 499
- Nitrogen utilization, 69A, 583
- Non-adrenergic innervation, 70C, 59
- Non-cholinergic innervation, 70C, 65
- Noradrenergic neurotransmission, 70C, 27
- Norepinephrine thermogenesis, 69A, 697
- Notomys alexis, 68A, 405; 69A, 297; 69C, 379
- Nucleotide profiles, 70B, 541
- Nudibranch, 68A, 487
- Nutrients, 70A, 509
- Nutrition, 68A, 149
- Nutritional balance, 69A, 517
- Obese mouse, 69B, 493
- Octopamine, 69C, 301; 70B, 35; 70C, 201, 277
- Octopod, 70A, 103
- Octopus vulgaris, 70C, 241
- Ocular blood flow, 68A, 269
- Odors, 70A, 149
- Oestrogen, 69B, 295
- Oil pollution, 69A, 169
- Oleoyl CoA, 68C, 9
- Onchidium pacemaker neuron, 69A, 745
- Oncopeltus fasciatus, 68B, 593
- Oncorhynchus kisutch, 69A, 701; 69C, 345
- Oocyte RNA, 70B, 493
- Opossum, 69A, 337
- Optomotor neurons, 70A, 251
- Orconectes limosus, 68B, 339; 70A, 447
- Oreaster reticulatus, 69A, 175
- Organic phosphate binding, 69A, 709
- Organochlorine insecticides, 70C, 97
- Organophosphorus insecticides, 68C, 255
- Ornithine aminotransferase, 69B, 295
- Oryzias latipes, 70C, 129
- Os, 70A, 525
- Osmoregulation, 69A, 493; 70A, 519, 525
- Osmotic adaptations, 68A, 123
- Osmotic fragility, 70A, 335
- Ostrea edulis, 70C, 13
- Otolith, 68A, 659
- Ouabain, 68C, 29; 69B, 803
- Ouabain insensitive ATPase, 70B, 775
- Ovaries, 70A, 545
- Ovis aries, 68B, 155, 547, 551, 555
- Ovine prolactin, 68A, 61
- Ovoviviparous salamander, 70A, 563
- Ovulation, 69A, 557
- Owenia fusiformis, 70A, 111
- Owls, 68A, 237
- Ox, 68C, 145
- Oxidase, 69C, 219
- Oxygen, 69B, 1
- Oxygen affinity, 69A, 279; 70A, 91
- Oxygen consumption, 68A, 605; 69A, 51, 121,

141, 363, 437, 467, 595; 70A, 371, 497, 533; 70C, 139

Oxygen equilibrium, 70A, 111

Oxygen uptake, 68A, 103, 527; 69A, 487, 679

Oxygenase, 68C, 55; 69C, 331

Oyster, 68A, 253

Pachygrapsus crassipes, 69A, 205

Pachymedusa dacnicolor, 70A, 329

Packed cell volume, 70A, 611

Pagophilus groenlandicus, 70B, 795

Pagurus pollicarus, 68A, 49

Palaemon serratus, 68B, 49, 65

Palaemonetes pugio, 68A, 451

Palmitate, 69B, 837

[1-¹⁴C]palmitic acid, 68B, 351

Palmityl-CoA oxidase, 68B, 151

Panaeus, 68A, 75

Pancreas, 68A, 211; 69A, 429

Pancreatic enzymes, 68A, 495

Pancreatic extracts, 69A, 31

Pancreatic proteolytic enzymes, 69B, 639, 647

Pandalus borealis, 69B, 621

Panulirus argus, 69A, 523

Panulirus interruptus, 69C, 253

Para-chlorophenylalanine, 68C, 181

Paralicella capresca, 69A, 563

Paramecium caudatum, 70B, 185

Paranitroanisole, 68C, 239

Parasitized, 70B, 415

Parathyroid, 68B, 401

Parietaectomy, 69A, 575

Parotid gland, 70B, 725

Passerculus sandwichensis, 69A, 783

Pathology, 70A, 547

PCBs, 69C, 345

pCO₂, 69A, 805

Pedal ganglia monoamine uptake, 70C, 215

Pedal retractor, 70A, 275

Penaeus setiferus, 68A, 677; 70A, 525

Penaeus stylirostris, 68A, 677; 70A, 525

Pentylenetetrazol, 68C, 99; 69C, 113

Pepsin, 68A, 9

Peptidases, 69B, 55

Peptides, 69C, 75

Peptide formation, 68C, 213

Peptide hydrolase, 69C, 169

Perca flavescens, 69A, 557

Perchloric acid, 69B, 303

Perchloric acid soluble proteins, 70B, 63

Perinatal period, 70B, 193

Perfused midgut, 69A, 317

Periplaneta americana, 69C, 7, 293, 301

Periophthalmus cantonensis, 68A, 589

Permeability, 69A, 211, 603

Peromyscus maniculatus bairdi, 68A, 563

Peroxidase, 68B, 357

Peroxide metabolism, 69B, 637

Peroxisomes, 68B, 151

Pesticides, 69C, 185

PFK, 68B, 77; 69B, 127, 435, 517; 70B, 161

PGM, 70B, 289

pH, 68B, 193; 69A, 637; 70A, 91, 359

Pharmacokinetics, 69C, 353

Phenanthrene, 70C, 21

Phenols, 69C, 235

Phenol conjugation, 69C, 379

Phocagroenlandica, 69A, 579, 809

Phormia terraenovae, 68A, 571

Phosphagens, 70B, 77

Phosphate, 70B, 199

Phosphatidylcholine, 68B, 313; 69A, 291; 70B, 783, 787

Phosphatidylethanolamine, 70B, 783, 787

Phosphine, 69C, 129

Phosphoarginine, 70B, 35

Phosphodiesterase, 68C 21; 69C, 13

Phosphoenolpyruvate carboxykinase, 68A, 41

Phosphofructokinase, 68B, 77; 69B, 435, 517; 70B, 161

6-Phosphogluconate dehydrogenase, 70B, 263

Phosphoglucose isomerase, 70B, 295

Phosphoglycerate mutases, 70B, 237, 247

- **Phosphoglycerides**, 70B, 401
- **Phospholipases**, 68B, 561
- **Phospholipid**, 68B, 203, 209; 69B, 115, 487, 797; 70B, 53, 327
- **Phospholipid composition**, 70B, 783, 787
- **Phosphoadenylates**, 70A, 421
- **Phosphoarginine**, 69B, 329
- **Phosphocreatine**, 69B, 329
- **Phosphorus**, 68C, 69
- **Phosphorylase A**, 69B, 47
- **Phosphorylase B**, 69B, 47
- **Photoperiod**, 68A, 411; 70B, 45
- **Photoperiod regimes**, 70A, 9
- **Photoperiodic responsiveness**, 69A, 575
- **Photoresponse**, 68A, 487
- **Phylogenetic recapitulation**, 68B, 301
- **Phylogenetic relationships**, 70B, 739
- **Physalia physalis**, 70B, 635
- **Physignathus lesueurii**, 68A, 429, 437; 69A, 805
- **Picrate**, 68C, 243
- **Pieris brassicae**, 68B, 95
- **Pigs**, 69B, 69; 70A, 309; 70B, 295, 477
- **Pigeon**, 69C, 213
- **Pigeon embryo**, 68A, 641
- **Pigment**, 68A, 597; 68B, 517
- **Pikeperch**, 69B, 5
- **Pinealectomy**, 70A, 69
- **Placopecten magellanicus**, 70B, 35
- **Planaria**, 69C, 105; 70B, 775
- **Plasma**, 70B, 795
- **Plasma levels**, 70A, 309
- **Plasma lipids**, 69B, 541; 70B, 457
- **Plasma lipoproteins**, 69B, 107
- **Platichthys flesus**, 68B, 77; 69B, 47, 435; 69C, 45; 70B, 515
- **Plethodon dorsalis angusticlavius**, 69A, 499
- **Pleuronectes platessa**, 70C, 193
- **Pimephales promelas**, 68A, 337
- **Pineal organ**, 68A, 127
- **Plankton**, 70B, 381
- **Pleuronectes platessa**, 69C, 325
- **Pneumostoma**, 69A, 85
- **PO₂**, 68A, 579
- **Poecilia**, 69B, 881
- **Polar bear**, 69A, 177; 69B, 541; 70A, 595
- **Polychlorinated biphenyls**, 69C, 219
- **Polymorphism**, 69B, 223
- **Polypeptide main intrinsic**, 68B, 101
- **Polyribosomes**, 69B, 213
- **Polysaccharidases**, 69A, 429
- **Pomacea lineata**, 69A, 595
- **Popenanias buckleyi**, 68B, 119
- **Postnatal changes**, 69A, 279
- **Post-weaning fast**, 70B, 795
- **Post-weaning rats**, 70A, 491
- **Potassium**, 69A, 157; 70A, 157, 161
- **Potassium conductance**, 68C, 243
- **Potassium contracture**, 68A, 9
- **Potassium-dependent inhibitory synaptic**, 70A, 37
- **Potassium dichromate**, 68C, 161
- **Praunus flexuosus**, 70B, 409
- **Pregnancy**, 69A, 337
- **Pressure/temperature**, 69A, 665
- **Primates**, 69A, 543; 69B, 291
- **Prolonged diving**, 70A, 359, 365, 371
- **Procambarus bouvieri**, 68A, 477
- **Procambarus clarki**, 68A, 549
- **Procellariiformes**, 69B, 629
- **Processa edulis**, 70B, 571
- **Prochlorophyte**, 69B, 843
- **Proctoeces maculatus**, 70A, 119
- **[¹⁴C]progesterone**, 70B, 661
- **Proline**, 70A, 547
- **Propionylcholinesterase**, 70C, 209
- **Prostaglandin biosynthesis**, 70C, 195
- **Protease**, 70B, 803
- **Protein**, 68B, 457, 527, 535; 69A, 99, 637; 69B, 701; 70B, 487
- **Protein-lipid interactions**, 69B, 731
- **Protein metabolism**, 70A, 649
- **Protein phosphorylation** 69B, 61
- **Proteinases**, 70B, 713
- **Proteolytic activities**, 68B, 389; 70B, 463

Proteolytic system, 70B, 133
 Prolactin, 68A, 653
Protopterus aethiopicus, 70A, 335
 Protozoa, 68A, 131, 531
Pseudemys scripta, 70A, 359, 365, 371; 70B, 161
Pseudorasbora parva, 69A, 187
 Pteridines, 69B, 91
 Pump electogenesis, 69A, 249
 Purine, 70A, 591
 Purine nucleotide, 68B, 407
 Purine nucleoside kinases, 70B, 595
 Puromycin, 68A, 611
 Pyloric motorneurons, 69C, 191
 Pyrethroid insecticides, 70C, 265
 Pyruvate kinase, 70B, 77

 Quails, 70A, 265
 Quail plasma, 70B, 731

 Rabbits, 68A, 211; 68C, 9, 213; 69B, 5, 85, 201, 585, 837; 70A, 611
 Rainbow trout, 68A, 457; 68C, 239
Rana, 70B, 421
Rana berlandieri, 70A, 329
Rana esculenta, 68B, 57, 437; 69A, 683; 70B, 587
Rana pipiens, 68A, 511, 515; 70B, 779, 787
Rana rugosa, 68A, 95
Rana temporaria, 68B, 57; 69A, 705; 69C, 371
 Rat, 68A, 1; 68B, 445, 599; 68C, 9, 213; 69A, 43, 675; 69B, 5, 85, 201, 237, 295, 585, 633, 637, 655; 70A, 265, 309, 567, 583; 70B, 345, 427; 70C, 285
 Rat brain, 69C, 153
 Rat heart, 68C, 175
 Rat lungs, 69A, 285
 Rat red cell membranes, 70B, 559
 Rat small intestine, 70B, 703
 Reabsorption, 68A, 663
 Receptor-ionophore, 68C, 35

 Red blood cells, 69A, 771
 Red cell composition, 70A, 315
 Red cell membrane proteins, 68B, 421
 Red muscle, 69B, 413
 Red Sea, 68C, 195
 Regulatory proteins, 69B, 577
 Reindeer, 68C, 145
 Relaxing drugs, 70C, 171
 Renal function, 68A, 405; 69A, 219, 297
 Renal haemodynamics, 69A, 345
 Renal performance, 70A, 145
 Renal plasma flow, 68A, 405
 Renal renin, 68B, 329
 Renin, 68A, 307
 Reproductive cycle, 70A, 53
 Reproductive energetics, 70B, 645
 Reproductive inhibition, 68A, 563
 Reserpine, 70C, 273
 Respiration, 68A, 429; 69A, 175, 599, 759; 69B, 809; 70A, 551
 Respiratory adaptations, 69A, 321
 Respiratory CO_2 , 70A, 285
 Respiratory electron transport system, 70B, 653
 Respiratory metabolism, 70A, 627
 Respiration of tissues, 70A, 27
 Respiratory chain, 69B, 361
 Respiratory disturbances, 69A, 333
 Respiratory gases, 69A, 373
 Respiratory metabolism, 68A, 241; 70A, 223
 Respiratory movements, 68A, 399
 Respiratory pattern, 69A, 449
 Respiratory rhythm, 70A, 639
 Respiratory quotient, 70A, 639
 Rhesus monkeys, 68B, 421; 69C, 165
 Rhizocephalans, 70B, 415, 657
 Rhodanese, 70B, 623
Rhodnius prolixus, 68B, 377; 70B, 825
 Rhodoxanthin, 69B, 885
Rhynchosciara americana, 68B, 89
Rhyzopertha dominica, 69C, 129
 Ribonucleases, 69B, 353; 70B, 147
 26S ribosomal RNA, 70B, 825

28S ribosomal RNA, 68B, 377
 3-ribosyluric acid, 69B, 505
 Richardson's ground squirrels, 69A, 551
 RNA's, 68B, 377
 RNA synthesis, 68A, 323; 68C, 251
 Rodents, 69A, 145
 Root effect, 69A, 709
Rutilus rutilus, 68A, 187; 69A, 537
 Ryanodine, 70C, 185

S-100, 68A, 611
Sabella melanostigma, 69A, 487
Sabella pavonina, 68A, 391, 663; 69A, 349
Sacculina carcinii, 70B, 657
Salamandra salamandra, 70A, 563
 Saline inhibition, 68A, 31
 Salinity, 68A, 55, 75, 555; 69A, 125, 417, 599; 69C, 137; 70A, 17, 47, 127, 519, 551, 631
 Salinity adaptation, 69A, 237
 Salinity tolerance, 69A, 641
Salmo gairdneri, 68A, 307; 68B, 147, 457, 461, 527; 68C, 151, 167; 69A, 99, 455, 583, 767; 69B, 183, 231, 311; 69C, 31, 67, 83, 125, 157; 70A, 53, 97, 133, 315; 70B, 161, 631, 829; 70C, 149, 297
Salmo gairdnerii irideus, 68B, 517
Salmo trutta, 69B, 393
Sarcophaga bullata, 68B, 325
Sarcophaga nodosa, 69A, 133
 Sarcoplasmic reticulum, 68A, 625; 70A, 351
Scapharca broughtoni, 69B, 599
Scardinius erythrophthalmus, 68A, 187
Sceloporus accidentalis, 69A, 363
 Scent gland, 68B, 593
Schistosoma mansoni, 68B, 111, 467; 69B, 803
 Schistosome, 68C, 229
 Scorpions, 68A, 231, 277
 Scorpion walking leg motor system, 69A, 73
 SDS solubilized membranes, 69B, 15

Seals, 68A, 81
 Sea nettle, 68C, 235
 Seasonal variation, 69A, 649
 Sea urchin, 70A, 397
 Sea urchin embryos, 69C, 205; 70A, 285
 Seawater drinking, 68A, 81
 Selenium, 69C, 331
 Semen, 70B, 619
 Semi-lunar cyclicity, 69C, 293
 Sensory adaptation, 68A, 17
 Sensory integration, 70A, 251
 Sensory processing, 70C, 159
Sepia officinalis, 69B, 865
 Septation, 69A, 329
Sergestes lucens, 68C, 199
 Serine catabolizing enzymes, 68B, 147
 Serum albumin, 69C, 375
 Serum amyloid P-component, 69C, 325
 Serum T-agglutinin titers, 69A, 59
 Sex, 69A, 595
 Sex-hormone, 70A, 247
 Sex pheromonal activity, 70A, 229
 SGO-T, 68C, 69
 SGP-T, 68C, 69
 Sheep, 68A, 495; 69B, 585; 70A, 13
 Shell morphology, 70C, 139
 Shivering, 69A, 43; 69C, 213
 Shrew, 69A, 1
Sicyas sanguineus, 68A, 123
Sicyonia brevirostris, 70A, 519
Sicyonia dorsalis, 70A, 519
 Silkworm, 68B, 567
 "Simple" behaviour, 70A, 397
 Skeletal muscle, 68B, 369
 Skin, 69B, 91
 Skin perfusion, 69A, 805
 Skin surface lipid, 69B, 75
 Skin water uptake, 69A, 219
 Sloughing cycle, 69A, 113
 Slow muscle, 70A, 583
 Small intestine, 70A, 107
 Snail tentacle ganglion, 70A, 149
 Snakes, 68A, 115

Societal synchronization, 70A, 265
 Sodium, 68A, 373, 677; 70A, 47, 157
 Sodium fluoride, 69B, 505
 Sodium regulation, 69A, 273
 [¹²⁵Sb]sodium stibogluconate, 68C, 95
 Solvent extraction chemicals, 69C, 83
 Somatic polyploidy, 69A, 777
 Sorbitol dehydrogenase, 69B, 909
 Specific dynamic action, 69A, 579
 Spectral sensitivity, 70A, 595
 Spermatozoa, 68B, 289
 Spermatozoa survival, 70A, 387
 Spermiogenesis, 70A, 571
Spermophilus richardsoni, 69B, 797
Spermophilus tridecemlineatus, 70A, 435
Spermophilus lateralis, 70B, 601
Spheniscus demersus, 69A, 169
Sphenomorphus quovii, 70A, 509
Sphyrna tiburo, 70A, 127
 Spine pointing, 70A, 397
Spisula solidissima, 69B, 337
 Sponges, 70B, 367
Spongia officinalis, 69B, 445
 Spore coat proteins, 70B, 535
 Squid, 68B, 389
 Squid mantle muscle, 70B, 791
 Squirrel, 70B, 263
Staphylococcus aureus, 68A, 527
 Starfish, 70B, 739
 Starvation, 69A, 461; 70B, 45
 Starved bream, 70A, 211
 Starved frogs, 69A, 683
 Statocyst, 68A, 17
 Stereoselective binding, 69C, 375
 Steroids, 69B, 511; 70B, 345
 Steroid hormones, 69A, 659
 Sterol, 70B, 153, 719
 $\Delta^{5,7}$ -sterols, 68B, 177
 Sterol synthesis, 68B, 281
 Stiffness change, 70C, 41
 Stomatogastric ganglion, 69C, 191
Stomoxys calcitrans, 68B, 425; 69B, 279
 Stored product mites, 70B, 803
Streptococcus sp., 68A, 527
 Stress, 68A, 411; 70C, 135
 Submandibular gland, 69B, 673; 70A, 567
 Submaxillary mucin, 69B, 605
 Subsocial insects, 68A, 289
 Substrate shuttles, 70B, 209
 Subunit heterogeneity, 70B, 115
 Sulphydryl group reagents, 70B, 247
 Superoxide dismutase, 68B, 357; 69B, 865, 893; 70B, 819
 Surface lipids, 70B, 441
 Surface membrane proteins, 70B, 767
Sus scrofa, 69B, 775
 Swimbladder, 69A, 291, 537
Sylvilagus aquaticus, 69C, 367; 70A, 533
 Synaptic inputs, 70A, 293
 Synaptic interaction, 68A, 49
 Synaptosomes, 70C, 177
 Synchrony, 68A, 443
Syngnathus fuscus, 69A, 603

Taenia crassiceps, 69B, 553
 Tail flattening component, 70A, 57
Talitrus saltator, 70A, 639
Tamias striatus, 70A, 529
Tapes watlingi, 70C, 277
 Tasmanian Devil, 70B, 541
 Taurine, 69A, 571; 69C, 149, 411
 Teleosts, 70A, 541
 Temperature, 68A, 87, 187, 277, 337, 383, 437; 68B, 527; 69A, 51, 169, 205, 267, 411, 461, 499, 631, 679, 767; 69C, 213; 70A, 91, 247, 491, 555, 623, 627; 70B, 193; 70C, 261
 Temperature acclimation, 70A, 33; 70B, 331
 Temperature-dependence, 70A, 351
 Temperature preference, 68A, 501
 Temperature responses, 70A, 23
 Tentacle reflex, 68A, 467
Terrapene carolina triunguis, 70A, 199, 599
 Testis, 68B, 245; 69A, 713
 Testosterone, 69A, 713; 69B, 295; 70A, 115, 247
Tethya aurantia, 70B, 799

Δ^1 -tetrahydrocannabinol, 69C, 19
Tetrahymena pyriformis, 68A, 43; 68C, 251; 69B, 213
Tetrahymena vorax, 69C, 275, 281
Thannophis sirtalis parietalis, 69A, 113
Theophylline, 69C, 13
Thermal acclimation (see also Temperature) 69A, 505; 69B, 9
Thermal behaviour, 69B, 169
Thermal conductance, 69A, 611
Thermal conductivity, 68A, 107
Thermal dissociation, 70B, 825
Thermal lability, 70B, 247
Thermal responses, 69A, 187
Thermal stress, 70A, 1
Thermoacclimatory modification, 70A, 315
Thermogenic effects, 69A, 479
Thermoneutrality, 69A, 411
Thermoregulation, 68C, 181
Thermoregulatory development, 69A, 149
Thermostability, 69B, 577
Thiamine, 69A, 305
Thiamine phosphorylation, 70A, 643
Thiosulphate sulphurtransferase, 70B, 623
Thrombocyte, 68A, 457
Thunnus thynnus thynnus, 70A, 217
Thyroglobulin, 70B, 341
Thyroid, 70B, 341
Thyroid hormone, 69A, 675; 70A, 575
Thyroid metabolism, 69A, 259
Thyroxine, 68C, 103
Tiger beetles, 69B, 903
Tigriopus californicus, 69A, 273
Tilqua rugosa, 70B, 661
Tissue carbohydrate reserves, 70A, 87
Tissue changes, 69A, 683
Toad, 69A, 219, 659, 659
Tongue, 69A, 395
Torpor, 68A, 605; 69A, 689
Toxocara canis, 69B, 859
Training, 69A, 567
Transamination, 68B, 407
Transepithelial potential, 69A, 317
Transepidermal uptake, 69A, 443
Transferrin, 68B, 505
Transport, 68A, 225; 69B, 681; 70B, 209
Transuranics, 68A, 423
Treefrogs, 68A, 175
Trehalase, 70B, 509
Trehalose, 69B, 471; 70B, 579
Trematode infection, 70B, 45
Triacylglycerols, 68A, 361
Triatoma infestans, 68C, 255
Triatoma phyllosoma pallidipennis, 70B, 713
Tribolium castaneum, 69B, 29
Trichosurus vulpecula, 70B, 619
Triclad, 69A, 443
Triethyltin bromide, 70C, 261
Triglyceride fatty acid, 69B, 99
Triglyceride metabolism, 69B, 633
Triiodo-L-thyronine, 69B, 311; 70A, 615
Trimethylamine oxidation, 69C, 307
Triosephosphate isomerase, 70B, 257
Triturus cristatus carnifex, 69B, 121
Trophic interactions, 68A, 299
Trophic state, 70A, 497
Trout (see also Salmo) 68A, 417; 69B, 99, 107; 69C, 133; 70C, 261
Trout erythrocytes, 69C, 337
Trout stomach, 70C, 65
Trypanosoma brucei, 70B, 447
Trypanosoma brucei brucei, 70B, 319, 451
Trypanosoma brucei gambiense, 68B, 521; 69B, 617, 791
Trypanosoma cruzi, 68B, 237; 70B, 327, 463
Trypanosoma rangeli, 70B, 463
Trypsin, 69B, 639, 647
Tryptic peptides, 70B, 487
Tryptophan, 69C, 375
Tryptophan catabolites, 68B, 521
T-sites, 69A, 59
Tubifex, 69B, 769, 809; 70B, 77
Tubocurarine chloride, 70A, 243
Tubules, 69A, 211
Tubulin, 70B, 375
Tubulin tyrosylation, 69B, 387

Turbatrix aceti, 69B, 115
Turkeys, 70A, 179
Turtles, 68B, 497; 70A, 235, 653
Tyrosine, 68B, 481
Tyrosine aminotransferase, 70B, 451
Tyrosinase, 68B, 415

Uca, 69B, 897
Uca pugilator, 68A, 597; 68C, 205; 70C, 27
UDP-galactose 4-epimerase, 70B, 45
Ultimobranchial gland, 68A, 95
 $[^{14}\text{C}]$ urea, 69A, 551
Urea cycle, 70A, 79
Urea excretion, 70A, 211
Urea retention, 69A, 493
Urechis unicinctus, 69C, 171
Uric acid, 68A, 265
Uric acid production, 70A, 591
Urine, 68A, 265; 69B, 791; 70A, 525, 653
Ursus americanus, 69A, 121
Ursus maritimus, 70A, 575
Uterine constituents, 69A, 337
Uterine gland, 69A, 325

Vagal stimulation, 68A, 495
Vampire rat, 69A, 511
Varanus exanthematicus, 69A, 31, 529, 717
Vascular resistance, 69C, 157
Vegetable diet, 70B, 105
Venoms, 68B, 561; 68C, 75; 69B, 345; 70B, 349, 635
Ventral aortas, 70C, 85
Verbenyl acetate, 70A, 229
Vertebrate livers, 68B, 509
Vibrio parahaemolyticus, 70A, 439
Virginia opossum, 70B, 645
Virus, 70B, 179
Vitamin B₆, 70B, 829
Vitamin D, 69B, 183
Vitamin D metabolism, 69A, 675
Vitamin E, 69C, 331
Vitellogenesis, 70B, 313
Vitellogenin, 69B, 121; 69C, 109; 70B, 731

Vocalization, 68A, 399
Vole, 69A, 697; 70A, 23
Vorticella, 70A, 479
V/P relationships, 69A, 285
Vulpes vulpes, 68B, 125

Waglerophis merremii, 69A, 739
Warfarin, 69C, 375
Water, 69B, 1; 70A, 145
Water balance, 68A, 237, 405; 70A, 405
Water budgets, 69A, 627
Water flux, 69A, 317
Water intake, 69A, 197
Water loss, 68A, 349
Water temperature, 70A, 603
Water turnover, 68A, 349
Weevil, 68A, 261
Weight, 69A, 595
Weight dependence, 69A, 113
Whey proteins, 68B, 225
White muscle, 69B, 413
Wildebeest, 70A, 87
Worker bees, 69B, 471

X-537A, 69A, 65
Xenobiotics, 68C, 121
Xenopus laevis, 68B, 295; 68C, 221; 69A, 605; 69C, 75, 145; 70A, 329; 70C, 117
Xiphophorus, 69B, 91

Yolk lipids, 68A, 641

Zinc, 68C, 91, 115, 167
 Zn^{2+} -dependent α -D-mannosidase, 70B, 125
Zooxanthellae, 68B, 281

